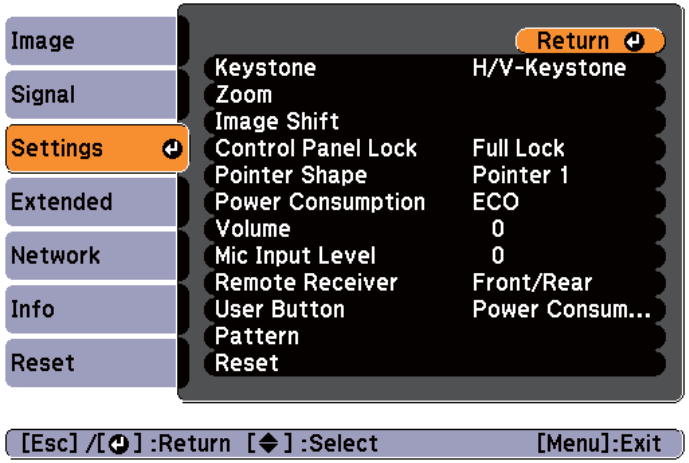
Sub-menu	Function
Reset	You can reset all adjustment values on the **Signal** menu to their default settings, except for **Input Signal**. See the following to return all menu items to their default settings. ☛ "Reset Menu" p.115

Settings Menu



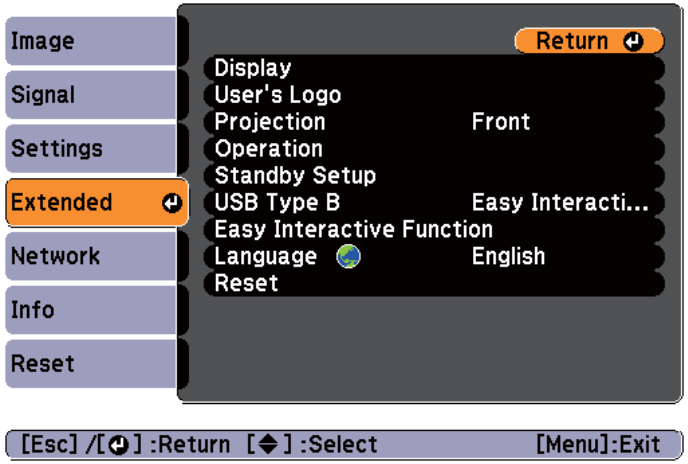
Sub-menu	Function
Keystone	You can correct keystone distortion. • When **H/V-Keystone** is selected: Adjust **V-Keystone** and **H-Keystone** to correct horizontal and vertical keystone distortion. • When **Quick Corner** is selected: Select and correct the four corners of the projected image. ☛ "Quick Corner" p.46
Zoom	Adjusts the projected image size.

Sub-menu	Function
Image Shift	Starts Image Shift. ☛ "Adjusting the Position of the Image (Image Shift)" p.48
Control Panel Lock	You can use this to restrict operation of the projector's control panel. ☛ "Restricting Operation (Control Panel Lock)" p.82
Pointer Shape	You can select the shape of the pointer. Pointer 1: Pointer 2: Pointer 3: ☛ "Pointer Function (Pointer)" p.68
Power Consumption	You can set the lamp brightness to one of two settings. Select **ECO** if the images being projected are too bright, such as when projecting images in a dark room or onto a small screen. When **ECO** is selected, the amount of electricity consumed and the lamp's operating life are changed as follows, and fan rotation noise during projection is reduced. Electrical consumption: Approx. 35% decrease, lamp life: Approx. 1.3 times longer
Volume	You can adjust the volume. Setting values are saved for each source.
Mic Input Level	Adjust this if the microphone input level is low and the microphone audio output from the projector's speaker is difficult to hear, or if the input level is too high, resulting in a crackling sound in the audio from the microphone. When **Mic Input Level** is turned down to 0, no microphone audio is output from the speaker. When the microphone input level is raised, the audio from the connected device becomes quieter. When the microphone input level is lowered, the audio from the connected device becomes louder.

Sub-menu	Function
Remote Receiver	You can limit the reception of the operation signal from the remote control. When set to **Off**, you cannot perform any operations from the remote control. If you want to make operations from the remote control, hold down the [Menu] button on the remote control for at least 15 seconds to reset the setting to its default value.
User Button	You can select the item in the Configuration menu to be assigned to the [User] button on the remote control. By pressing the [User] button the assigned menu item selection/adjustment screen is displayed, allowing you to make one-touch settings/adjustments. You can assign one of the following items to the [User] button. **Power Consumption**, **Info**, **Progressive**, **Test Pattern**, **Resolution**, **Mic Input Level**, **Pattern Display**, **Auto Calibration** (EB-485Wi/EB-480i/EB-475Wi only)

Sub-menu	Function
Pattern	**Pattern Display**: Display a pattern. **Pattern Type**: You can select from Patterns 1 to 4 or User Pattern. Patterns 1 to 4 display projection lines such as ruled lines or a grid. Pattern 1: Pattern 2: Pattern 3: Pattern 4: **User Pattern**: Captures a user pattern. ☛ "Saving User Pattern" p.73 **Test Pattern**: When the projector is set up, a test pattern is displayed so that you can adjust the projection status without connecting equipment. While the test pattern is displayed, zoom, focus adjustments, and keystone correction can be performed. To cancel the Test Pattern, press the [Esc] button on the remote control or the control panel. **Attention** If a pattern is displayed for a long time, a residual image may be visible in projected images.
Reset	You can reset all adjustment values in the **Settings** menu to their default settings, except for **Zoom** and **User Button**. See the following to return all menu items to their default settings. ☛ "Reset Menu" p.115

Extended Menu



Sub-menu	Function
Display	You can make settings related to the projector's display. **Messages**: When set to **Off**, the following items will not be displayed. Item names when the Source, Color Mode, or Aspect Ratio is changed, messages when no signal is being input, and warnings such as High Temp Warning. **Display Background***1: You can set the screen status for when no image signal is available to **Black**, **Blue**, or **Logo**. **Startup Screen***1: Set to **On** to display the **User's Logo** when projection starts. **A/V Mute***1: You can set the screen displayed when the remote control's [A/V Mute] button is pressed to **Black**, **Blue**, or **Logo**.
User's Logo*1	You can change the user's logo that is displayed as a background during Display Background, A/V Mute, and so on. ☛ "Saving a User's Logo" p.71
Projection	Select from one of the following projection methods depending on how the projector is installed. **Front**, **Front/Upside Down**, **Rear**, **Rear/Upside Down** You can change the Projection setting as follows by holding down the [A/V Mute] button on the remote control for about five seconds. **Front↔Front/Upside Down** **Rear↔Rear/Upside Down** ☛ "Installation Methods" p.24
Operation	**Direct Power On**: Set to **On** to turn on the projector simply by plugging it in. When the power cord is plugged in, note that the projector turns on automatically in cases such as a power outage being restored. **Sleep Mode**: When this is set to **On**, the power is turned off automatically when no image signal is input and no operation is performed within a certain amount of time. **Sleep Mode Timer**: When **Sleep Mode** is set to **On**, you can set the time before the projector automatically turns off within a range of 1 to 30 minutes. **High Altitude Mode**: Set this to **On** when using the projector at an altitude of 1500 m or above. **Audio Input**: When set to **Auto**, the audio from the input source is output. When set to **Audio1**, **Audio2**, or **Audio (L/R)**, the audio from the selected input source is output.

Sub-menu	Function
Standby Setup	**Standby Mode**: When set to **Communication On**, you can perform the following operations even if the projector is in standby mode. • Monitoring and controlling the projector over the network. ☛ "Monitoring and Controlling" p.84 • Outputting analog RGB signals from the Computer1 port to an external monitor. • Outputting audio from the microphone to the projector's speaker. (Only when the **Standby Microphone** is set to **On**.) ☛ "Connecting Image Sources" p.28 • Outputting audio from the input port to an external speaker. (Only when **Standby Audio** is set to **On**.) Audio input from HDMI, USB Display, USB, or LAN cannot be output. Also, audio is not output when **Audio Input** is set to **Auto** and the previous source that was being used is HDMI, USB Display, USB, or LAN. ☛ "Connecting Image Sources" p.28 • Mixing audio from the microphone and the input port, and outputting audio to an external speaker. (Only when both **Standby Microphone** and **Standby Audio** are set to **On**.) ☛ "Connecting Image Sources" p.28 **Standby Microphone**: When set to **On**, you can output audio from the microphone to the projector's speaker even if the projector is in standby mode. (Only available when **Standby Mode** is set to **Communication On**.) **Standby Audio**: When set to **On** you can output audio from the audio in port to an external speaker even if the projector is in standby mode. (Only available when **Standby Mode** is set to **Communication On**.)

Sub-menu	Function
USB Type B (EB-485Wi/ EB-480i/ EB-475Wi only)	**Easy Interactive Function**: Allows you to use the Easy Interactive Function (Computer Interactive). USB Display and Wireless Mouse functions are not available. **USB Display/Easy Interactive Function**: Allows you to use the Easy Interactive Function (Computer Interactive) and USB Display. The Wireless Mouse function is not available. **Wireless Mouse/USB Display**: Allows you to use the Wireless Mouse function and USB Display. The Easy Interactive Function (Computer Interactive) is not available. ☛ "Projecting with USB Display" p.41 ☛ "Using the Remote Control to Operate the Mouse Pointer (Wireless Mouse)" p.70 ☛ "Easy Interactive Function (EB-485Wi/EB-480i/ EB-475Wi only)" p.57

Sub-menu	Function
Easy Interactive Function (EB-485Wi/ EB-480i/ EB-475Wi only)	Allows you to use and set the Easy Interactive Function. ☛ "Easy Interactive Function (EB-485Wi/EB-480i/ EB-475Wi only)" p.57 Items in **General** • **Auto Calibration**: Starts Auto Calibration. • **Manual Calibration**: Starts Manual Calibration. Items in **Computer Interactive** ☛ p.65 • **Use Source**: Allows you to set the image source for Easy Interactive Tools and so on. • **Number of Pen Users**: Allows you to set the number of people who can use the Easy Interactive Pens at the same time. • **Pen Operation Mode**: (Only available when **Number of Pen Users** is set to **One User**) Allows you to set the Easy Interactive Pen operation mode when using Easy Interactive Tools. • **Enable Right Click**: (Only available when **Pen Operation Mode** is set to **Mouse**) When this is set to **On**, a long press of the Easy Interactive Pen acts as a right click. • **Advanced**: Includes the following items. • **Pen Tip Button**: Allows you to set operations for the pen tip button of the Easy Interactive Pen. • **Auto Adjust Pen Area**: When this is set to **On**, the pen area is automatically adjusted as the resolution for the connected computer changes. • **Manual Adj. Pen Area**: Starts Manual Adj. Pen Area.
Language	Allows you to set the language for messages and menus.

Sub-menu	Function
Reset	You can reset the adjustment values for **Display***1 and **Operation***2 from the **Extended** menu to their default settings. See the following to return all menu items to their default settings. ☛ "Reset Menu" p.115

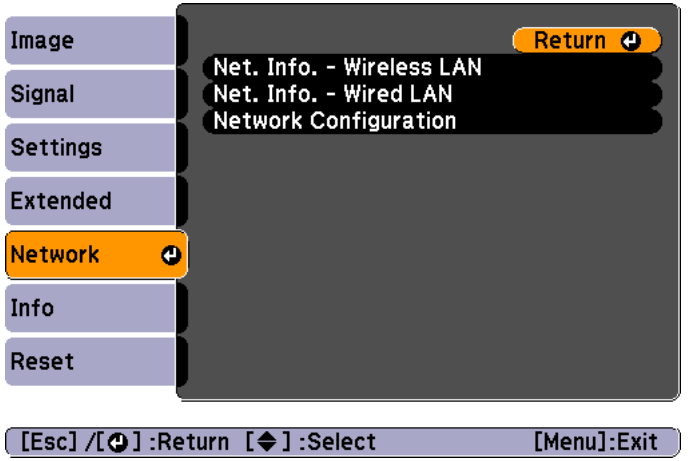
*1 When **User's Logo Protect** is set to **On** in **Password Protect**, settings related to user's logo cannot be changed. You can make changes after setting **User's Logo Protect** to **Off**.
☛ "Managing Users (Password Protect)" p.80

*2 Except for High Altitude Mode.

Network Menu

When **Network Protect** is set to **On** in **Password Protect**, a message is displayed and the network settings cannot be changed. Turn **Network Protect Off** and then configure the network.

☛ "Setting Password Protect" p.80



Sub-menu	Function
Net. Info. - Wireless LAN	Displays the following network setting status information. • Connection Mode • Antenna Level • Projector Name • SSID • DHCP • IP Address • Subnet Mask • Gateway Address • MAC Address • Region Code*
Net. Info. - Wired LAN	Displays the following network setting status information. • Projector Name • DHCP • IP Address • Subnet Mask • Gateway Address • MAC Address
Network Configuration	The following menus are available for setting network items. **Basic**, **Wireless LAN**, **Security**, **Wired LAN**, **Mail**, **Others**, **Reset**, and **Setup complete**

* Displays available region information for the Wireless LAN unit being used. For more details, contact your local dealer or the nearest address provided in the Epson Projector Contact List.

☛ *Epson Projector Contact List*

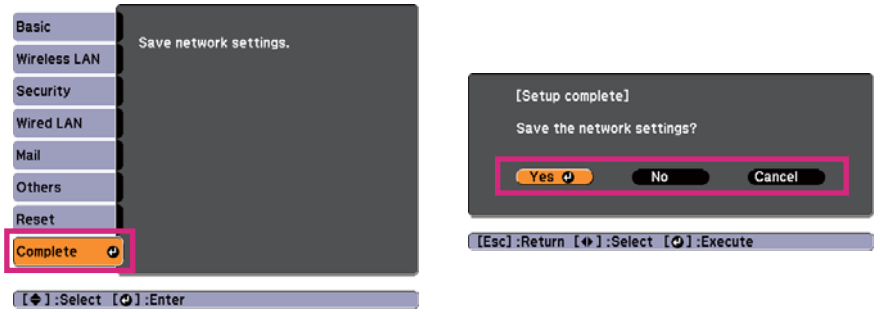
By using a Web browser of a computer connected to the projector on a network, you can set functions and control the projector. This function is called Web Control. You can easily enter text using a keyboard to make settings for Web Control such as Security settings.

☛ "Changing Settings Using a Web Browser (Web Control)" p.84

Notes on operating the Network menu

Selecting from the top menu and sub menus, and changing selected items is the same as making operations from the Configuration menu.

When done, make sure you go to the **Setup complete** menu, and select one of **Yes**, **No**, or **Cancel**. When you select **Yes** or **No**, you return to the Configuration menu.



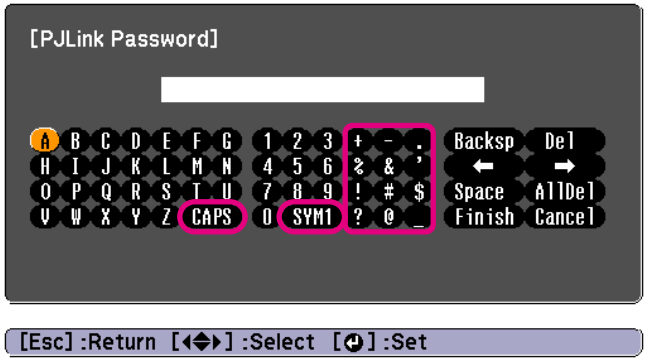
Yes: Saves the settings and exits the Network menu.

No: Does not save the settings and exits the Network menu.

Cancel: Continues displaying the Network menu.

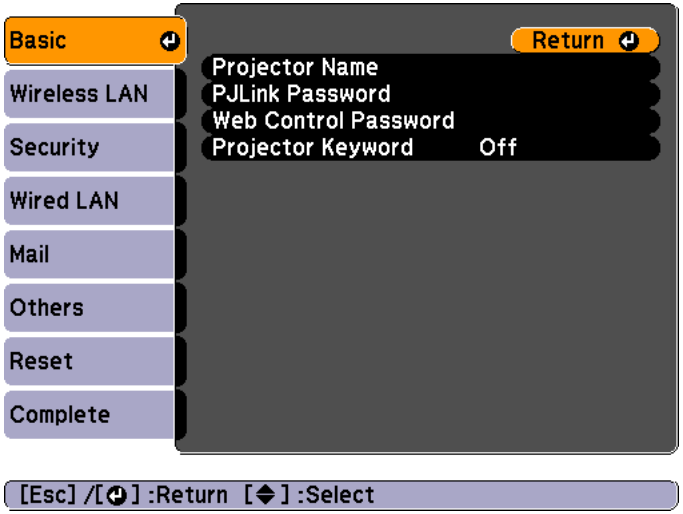
Soft keyboard operations

The Network menu contains items that require input of alphanumerics during setup. In this case, the following software keyboard is displayed. Use the [▲], [▼], [◀], and [▶] buttons on the remote control or the [⊿], [⊾], [Wide], and [Tele] buttons on the control panel to move the cursor to the key you want, and then press the [↵] button to enter the alphanumerical character. Enter figures by holding down the [Num] button on the remote control, and pressing the numeric buttons. After inputting, press **Finish** on the keyboard to confirm your input. Press **Cancel** on the keyboard to cancel your input.


[PJLink Password]
A B C D E F G 1 2 3 + - . Backsp Del
H I J K L M N 4 5 6 % & ' ← →
O P Q R S T U 7 8 9 ! # $ Space AllDel
V W X Y Z CAPS 0 SYM1 ? @ _ Finish Cancel
[Esc]:Return [◆]:Select [●]:Set

- Each time the **CAPS** key is selected and the [↵] button is pressed, it switches between upper case and lower case.
- Each time the **SYM1/2** key is selected and the [↵] button is pressed, it sets and changes the symbol keys for the section enclosed by the frame.

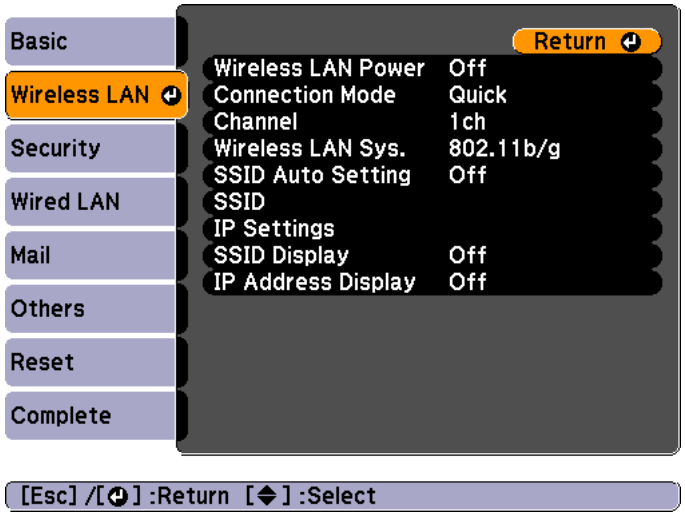
Basic menu



Sub-menu	Function
Projector Name	Displays the projector name used to identify the projector when connected to a network. When editing, you can enter up to 16 single-byte alphanumeric characters.
PJLink Password	Set a password to use when you access the projector using compatible PJLink software. You can enter up to 32 single-byte alphanumeric characters.
Web Control Password	Set a password to use when making settings and controlling the projector using Web Control. Enter no more than eight single-byte alphanumeric characters. The default password is "admin". Web Control is a computer function that allows you to set up and control the projector by using the Web browser on a computer connected on a Network. ☛ "Changing Settings Using a Web Browser (Web Control)" p.84

Sub-menu	Function
Projector Keyword	When set to **On**, you have to enter the keyword when you try to connect the projector to a computer via a network. As a result, you can prevent presentations from being interrupted by connections from other computers. Normally this should be set to **On**. ☛ *EasyMP Network Projection Operation Guide*

Wireless LAN menu

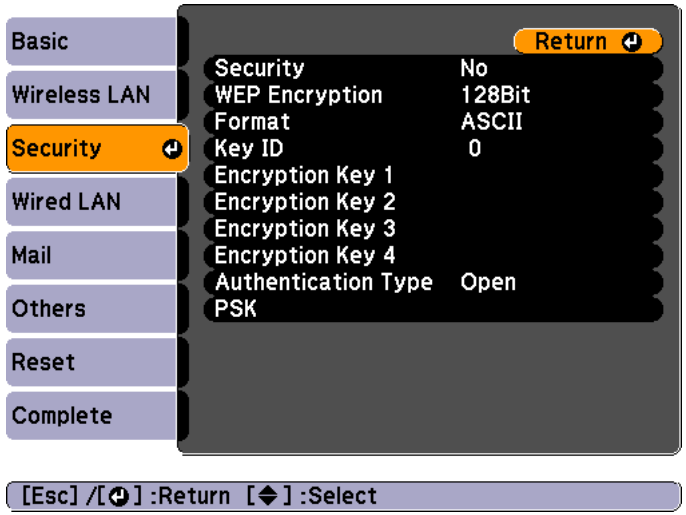


Sub-menu	Function
Wireless LAN Power	Turn **On** when connecting the projector to the computer over wireless LAN. If you do not want to connect via wireless LAN, turn it **Off** to prevent unauthorized access by others. This is set to **On** by default.

Sub-menu	Function
Connection Mode	Set the connection mode when using EasyMP Network Projection to connect the projector and computer. This is set to **Quick** by default. See the following manual for details on Connection Mode. ☛ *EasyMP Network Projection Operation Guide*
Channel	(This can only be set if **Connection Mode** is set to **Quick**.) Select the frequency band used by the wireless LAN from **1ch**, **6ch**, or **11ch**. This is set to **11ch** by default.
Wireless LAN Sys.	Set the Wireless LAN Sys. to either **802.11b/g** or **802.11b/g/n**. The default value is **802.11b/g/n**.
SSID Auto Setting	(This can only be set if **Connection Mode** is set to **Quick**.) Set to **On** to speed up the projector search. Set to **Off** when connecting to multiple projectors at the same time. This is set to **On** by default.
SSID	(This can be set only if **SSID Auto Setting** is set to **Off**.) Enter an SSID. When an SSID is provided for the wireless LAN system in which the projector participates, enter the SSID. You can enter up to 32 single-byte alphanumeric characters.

Sub-menu	Function
IP Settings	(This can be set only if **Connection Mode** is set to **Advanced**.) You can make network settings. **DHCP**: Set to **On** to make network settings using DHCP. If this is set to **On**, you cannot set any more addresses. **IP Address**: You can input the IP address assigned to the projector. You can enter a number from 0 to 255 in each field of the address. However, the following IP addresses cannot be used. 0.0.0.0, 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255) **Subnet Mask**: You can input the subnet mask for the projector. You can enter a number from 0 to 255 in each field of the address. However, the following subnet masks cannot be used. 0.0.0.0, 255.255.255.255 **Gateway Address**: You can input the IP address for the gateway for the projector. You can enter a number from 0 to 255 in each field of the address. However, the following Gateway addresses cannot be used. 0.0.0.0, 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255)
SSID Display	To prevent the SSID from being displayed on the LAN Standby screen, set this to **Off**.
IP Address Display	To prevent the IP address from being displayed on the LAN Standby screen, set this to **Off**.

Security menu



Sub-menu	Function
Security	Select the security type from the items that are displayed. When setting security, follow the instructions from the administrator of the network system you are about to access.
WEP Encryption	You can set the encryption method for WEP encryption. **128Bit**: Uses 128 (104) bit encoding. **64Bit**: Uses 64 (40) bit encoding.
Format	You can set the input method for the WEP encryption key to **ASCII** or **HEX**.
Key ID	You can select the WEP encryption ID key.

Sub-menu	Function
Encryption Key 1/Encryption Key 2/Encryption Key 3/Encryption Key 4	You can enter the key used for WEP encryption. Enter the key in single-byte characters following instructions from the network administrator for the network in which the projector participates. The type of character and the number that can be entered differ according to the **WEP Encryption** and **Format** settings. **128Bit** - **ASCII**: Single-byte alphanumerics, 13 characters. **64Bit** - **ASCII**: Single-byte alphanumerics, 5 characters. **128Bit** - **HEX**: 0 to 9 and A to F, 26 characters. **64Bit** - **HEX**: 0 to 9 and A to F, 10 characters.
Authentication Type	Set the WEP authentication type. **Open**: Uses open system authentication. **Shared**: Uses shared key authentication.
PSK	(This can only be set when **WPA-PSK** or **WPA2-PSK** are selected from **Security**.) You can enter a Pre-Shared Key (encrypted key) in single-byte alphanumeric characters. Enter at least 8 and up to 32 characters.

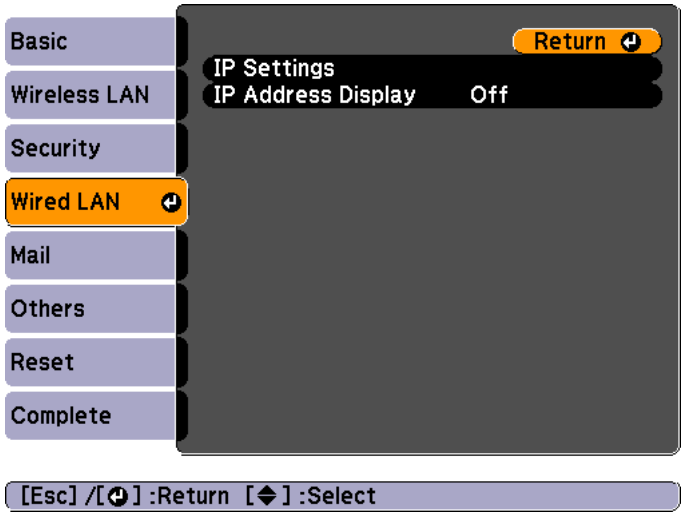
Type of security

When the optional wireless LAN unit is installed and being used in Advanced connection mode, it is strongly recommended that you set security. Select one of the following security methods.

- **WEP**
  Data is encrypted with a code key (WEP key). This mechanism prevents communication unless the encryption keys for the access point and the projector match.
- **WPA**
  This is an encryption standard that improves security which is a weak point of WEP. Although there are multiple kinds of WPA encryption methods, this projector uses TKIP and AES.
  WPA also includes user authentication functions. WPA authentication provides two methods: using an authentication server, or authenticating between a computer and an access point without using a server. This projector supports the latter method, without a server.

For setting details, follow the directions from the network administrator of your network.

Wired LAN menu

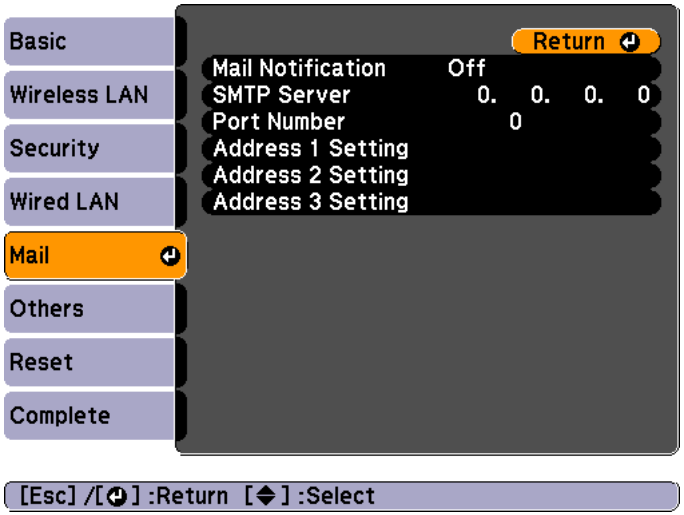


Sub-menu	Function
IP Settings	You can make settings related to the following addresses. DHCP: Set to **On** to configure the network using DHCP. If this is set to **On**, you cannot set any more addresses. IP Address: You can input the IP address assigned to the projector. You can input a number from 0 to 255 in each field of the address. However, the following IP addresses cannot be used. 0.0.0.0, 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255) Subnet Mask: You can input the subnet mask for the projector. You can input a number from 0 to 255 in each field of the address. However, the following subnet masks cannot be used. 0.0.0.0, 255.255.255.255 Gateway Address: You can input the IP address for the gateway for the projector. You can input a number from 0 to 255 in each field of the address. However, the following gateway addresses cannot be used. 0.0.0.0, 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255)
IP Address Display	To prevent the IP address from being displayed on Network Info in the Network menu and on the LAN Standby screen, set this to **Off**.

Mail menu

When this is set, you receive an email notification if a problem or warning occurs in the projector.

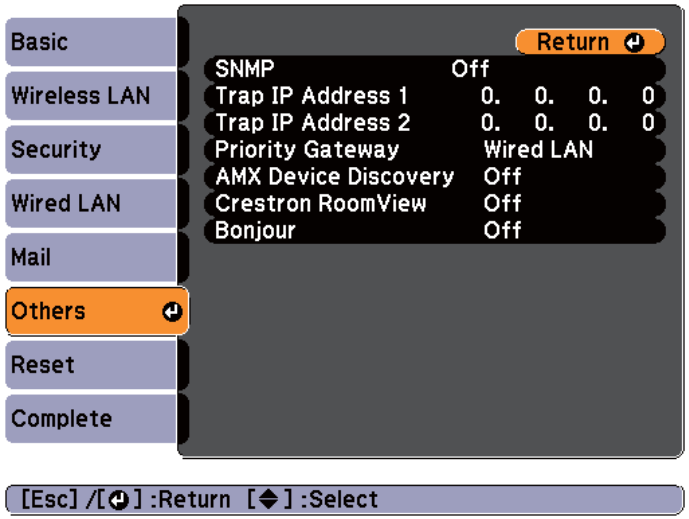
☛ "Using the Mail Notification Function to Report Problems" p.87



Sub-menu	Function
Mail Notification	Set to **On** to send an email to the preset addresses when a problem or warning occurs with a projector.
SMTP Server	You can input the IP address for the SMTP server for the projector. You can enter a number from 0 to 255 in each field of the address. However, the following IP addresses cannot be used. 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255)
Port Number	You can input the port number for the SMTP server. The default value is 25. You can input numbers between 1 to 65535.

Sub-menu	Function
Address 1 Setting/Address 2 Setting/Address 3 Setting	You can input the email address of the destination to send the notification email to. You can register up to three destinations. You can enter up to 32 single-byte alphanumeric characters for the email addresses. The address for destination 1 is the mail notification sender's address. You can select the problems or warnings to be notified about by email. When the selected problem or warning occurs in the projector, an email is sent to the specified destination address notifying that a problem or warning has occurred. You can select multiple items from the displayed items.

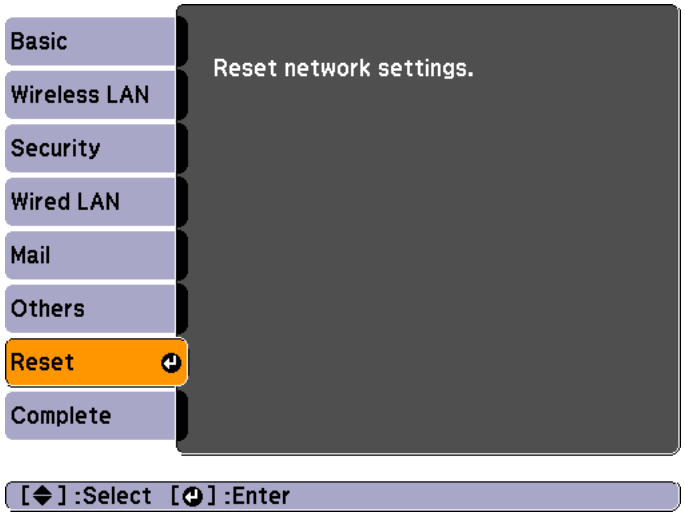
Others menu



Sub-menu	Function
SNMP	Set to **On** to monitor the projector using SNMP. To monitor the projector, you need to install the SNMP manager program on your computer. SNMP should be managed by a network administrator. The default value is **Off**.
Trap IP Address 1/Trap IP Address 2	You can register up to two IP addresses for the SNMP trap notification destination. You can enter a number from 0 to 255 in each field of the address. However, the following IP addresses cannot be used. 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255)
Priority Gateway	You can set the priority gateway to a **Wired LAN** or **Wireless LAN**.
AMX Device Discovery	When the projector is connected to a network, set this to **On** to allow the projector to be detected by AMX Device Discovery. Set this to **Off** if you are not connected to an environment controlled with a controller from AMX or AMX Device Discovery.
Crestron RoomView	Set this to **On** only when monitoring or controlling the projector over the network using Crestron RoomView®. Otherwise, set this to **Off**. ☛ "About Crestron RoomView®" p.90 When this is set to **On**, the following functions are not available. • Web control • Message Broadcasting (EasyMP Monitor Plug-in)
Bonjour	Set this to **On** when connecting to the network using Bonjour. See Apple's Web site for more information on the Bonjour service. http://www.apple.com/

Reset menu

Resets all of the network settings.

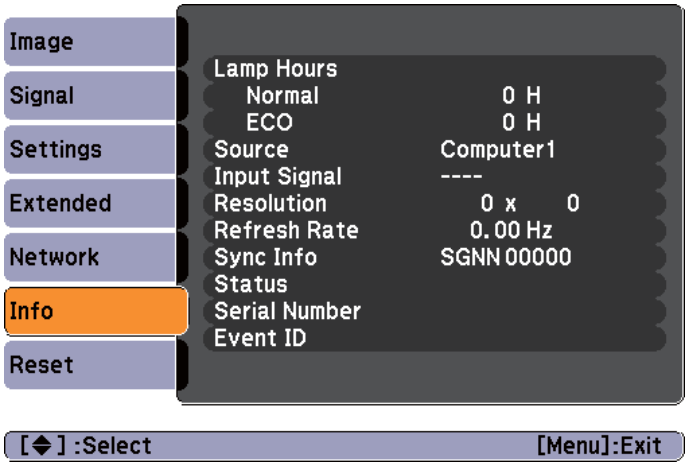


Sub-menu	Function
Reset network settings.	To reset all of the Network settings, select **Yes**.

Info Menu (Display Only)

Lets you check the status of the image signals being projected and the status of the projector. Items that can be displayed vary depending on the source currently being projected. Depending on the model used, some input sources are not supported.

☛ "Automatically Detect Input Signals and Change the Projected Image (Source Search)" p.40

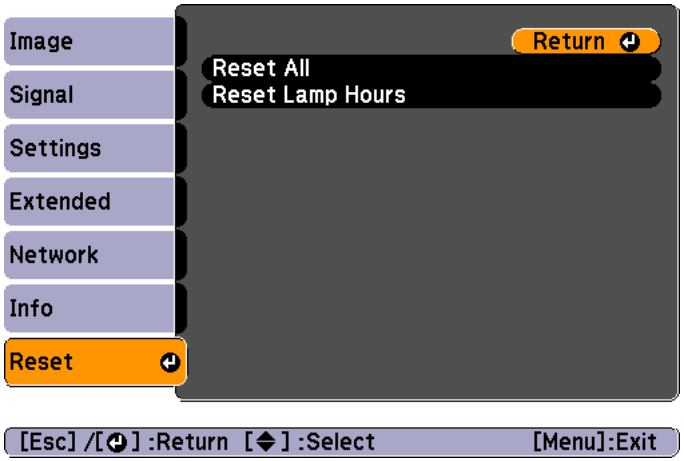


Sub-menu	Function
Lamp Hours	You can display the cumulative lamp operating time*. When it reaches the lamp warning time, the characters are displayed in yellow.
Source	You can display the source name for the connected equipment currently being projected.
Input Signal	You can display the content of **Input Signal** set in the **Signal** menu according to the source.
Resolution	You can display the resolution.
Video Signal	You can display the settings for **Video Signal** in the **Signal** menu.
Refresh Rate	You can display the refresh rate.
Sync Info	You can display the image signal Information. It may be needed if service is required.

Sub-menu	Function
Status	This information is about errors that have occurred with the projector. It may be needed if service is required.
Serial Number	Displays the projector's serial number.
Event ID	Displays the application error log. ☛ "About Event ID" p.135

* The cumulative use time is displayed as "0H" for the first 10 hours. 10 hours and above is displayed as "10H", "11H", and so on.

Reset Menu



Sub-menu	Function
Reset All	You can reset all items in the Configuration menu to their default settings. The following items are not reset to their defaults: **Input Signal**, **Zoom**, **User's Logo**, all items in the **Network** menu, **Lamp Hours**, **Language**, **Password**, and **Image Shift**.
Reset Lamp Hours	Clears the cumulative lamp hours use time. Reset this when you replace the lamp.

Troubleshooting

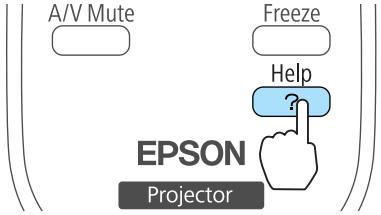
This chapter describes how to identify problems and what to do if a problem is found.

If a problem occurs with the projector, the Help screen is displayed to assist you by pressing the Help button. You can solve problems by answering the questions.

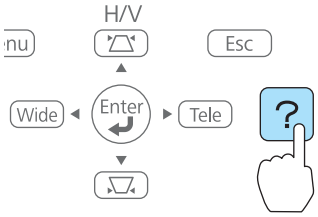
1 Press the [Help] button.

The Help screen is displayed.

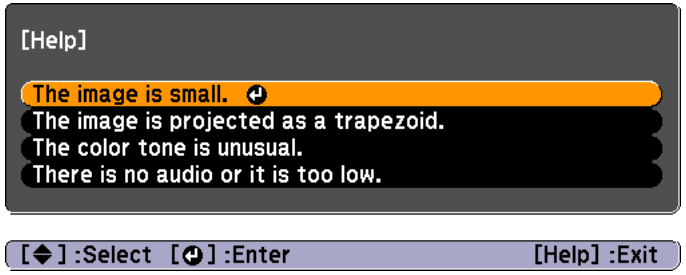
Using Remote Control



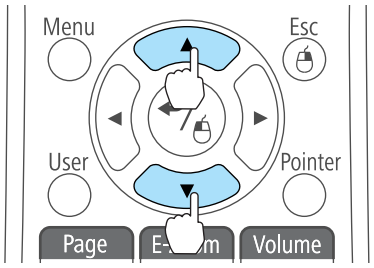
Using the Control Panel



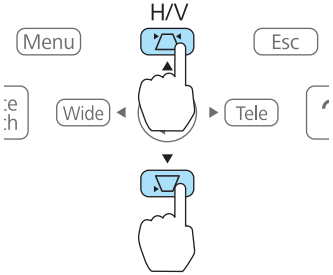
2 Select a menu item.


[Help]
The image is small.
The image is projected as a trapezoid.
The color tone is unusual.
There is no audio or it is too low.
[◆]:Select [●]:Enter
[Help]:Exit

Using Remote Control

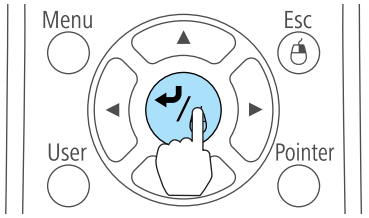


Using the control panel

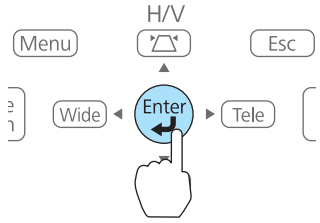


3 Confirm the selection.

Using Remote Control

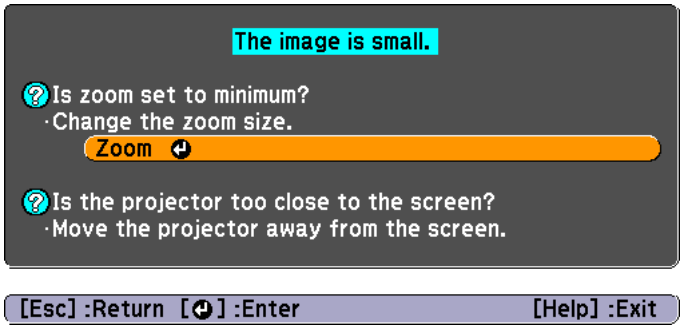


Using the Control Panel



Questions and solutions are displayed as shown on the screen below.

Press the [Help] button to exit the Help.


The image is small.
Is zoom set to minimum?
·Change the zoom size.
Zoom
Is the projector too close to the screen?
·Move the projector away from the screen.
[Esc]:Return [●]:Enter
[Help]:Exit

See the following if the Help function does not provide a solution to the problem.

☛ "Problem Solving" p.118

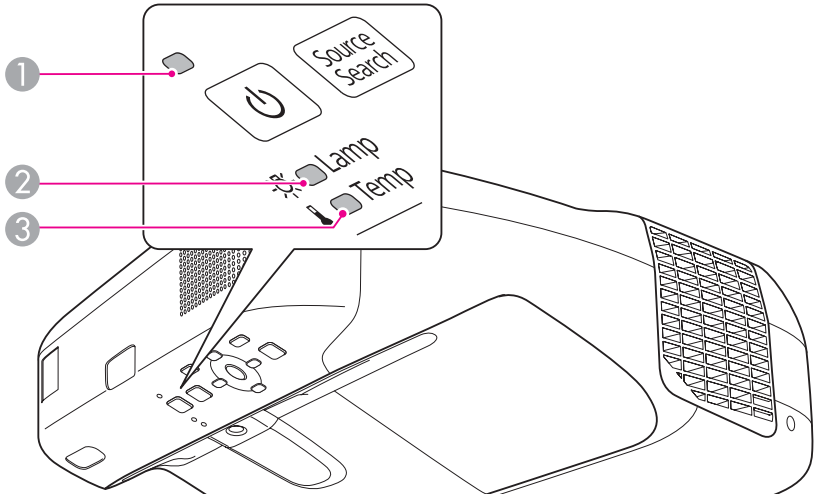
If you are having a problem with the projector, first check the projector's indicators and see "Reading the Indicators".

See the following if the indicators do not show clearly what the problem might be.

☛ "When the Indicators Provide No Help" p.122

Reading the Indicators

The projector is provided with the following three indicators that indicate the operating status of the projector.



❶ Power indicator — Indicates the operating status.

- Standby condition
  When the [⏻] button is pressed in this condition, projection starts.
- Preparing for network monitoring or cool down in progress
  All buttons are disabled while the indicator is flashing.
- Warming up
  Warm-up time is about 30 seconds. After warm-up is complete, the indicator stops flashing.
  The [⏻] button is disabled during warm-up.
- Projecting

❷ Lamp indicator — Indicates the projection lamp status.

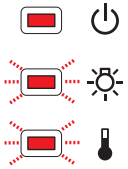
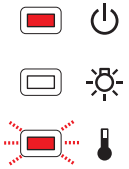
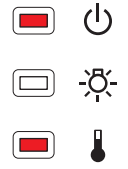
❸ Temp indicator Indicates the internal temperature status.

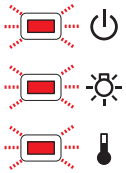
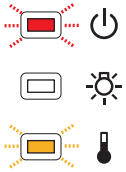
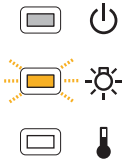
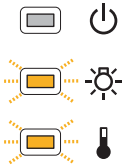
See the following table for the status of indicators and how to resolve the problems.

If all indicators are off, check that the power cord is connected correctly and that the power is being supplied normally.

Sometimes, when the power cord is unplugged, the [⏻] indicator remains lit for a short period, but this is not an error.

■ : Lit ■ : Flashing □ : Off ■ : Varies according to the projector status

Status	Cause	Remedy or Status
	Internal Error	Stop using the projector, remove the power plug from the electrical outlet, and contact your local dealer or the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*
	Fan Error Sensor Error	Stop using the projector, remove the power plug from the electrical outlet, and contact your local dealer or the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*
	High Temp Error (overheating)	The lamp turns off automatically and projection stops. Wait for approximately five minutes. After approximately five minutes the projector switches to standby mode, so check the following two points. • Check that the air filter and air exhaust vent are not blocked, and that the projector is not positioned against a wall. • If the air filter is clogged, clean or replace it. ☛ "Cleaning the Air Filter" p.138, "Replacing the Air Filter" p.142 If the error continues after checking the points above, stop using the projector, remove the power plug from the electrical outlet, and contact your local dealer or the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*
		When using at an altitude of 1500 m or more, set **High Altitude Mode** to **On**. ☛ "Extended Menu" p.103
	Lamp Error Lamp Failure	Check the following two points. • Take out the lamp and check whether it is cracked. ☛ "Replacing the Lamp" p.139 • Clean the air filter. ☛ "Cleaning the Air Filter" p.138

Status	Cause	Remedy or Status
		If it is not cracked: Reinstall the lamp and turn on the power. **If the error continues**: Replace the lamp with a new one and then turn on the power. **If the error continues**: Stop using the projector, remove the power plug from the electrical outlet, and contact your local dealer or the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*
		If it is cracked: Contact your local dealer or the nearest address provided in the Epson Projector Contact List. (Images cannot be projected until the lamp is replaced.) ☛ *Epson Projector Contact List*
		When using at an altitude of 1500 m or more, set **High Altitude Mode** to **On**. ☛ "Extended Menu" p.103
	Auto Iris Error Power Err.	Stop using the projector, remove the power plug from the electrical outlet, and contact your local dealer or the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*
	High Temp Warning	(This is not an abnormality. However, if the temperature rises too high again, projection stops automatically.) • Check that the air filter and air exhaust vent are not blocked, and that the projector is not positioned against a wall. • If the air filter is clogged, clean or replace it. ☛ "Cleaning the Air Filter" p.138, "Replacing the Air Filter" p.142
	Replace Lamp	Replace it with a new lamp. ☛ "Replacing the Lamp" p.139 If you continue to use the lamp after the replacement period has passed, the possibility that the lamp may blow increases. Replace it with a new lamp as soon as possible.
	Obstacle Detection Error	A warning sound is output and the message "For safety purposes remove any obstacles blocking the lens." is displayed. The projector will turns off automatically if no action is taken. • Remove obstacles around the projection window. • Clean the obstacle sensor if there is no obstacle. ☛ "Cleaning the Obstacle Sensor" p.137 **If the error continues**: Stop using the projector, remove the power plug from the electrical outlet, and contact your local dealer or the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*

- See the following if the projector is not operating properly, even though the indicators are all showing normal.
  ☛ "When the Indicators Provide No Help" p.122
- If the indicators are in a state not shown in this table, stop using the projector, remove the power plug from the electrical outlet, and contact your local dealer or the nearest address provided in the Epson Projector Contact List.
  ☛ *Epson Projector Contact List*

When the Indicators Provide No Help

If any of the following problems occur and the indicators do not offer a solution, refer to the pages given for each problem.

Problems Relating to Images

• **No images appear** Projection does not start, the projection area is completely black, or the projection area is completely blue.	☛ p.123
• **Moving images are not displayed** Moving images played back from a computer appear black and the images are not projected.	☛ p.124
• **Projection stops automatically**	☛ p.124
• **The message "Not supported" is displayed**	☛ p.124
• **The message "No Signal" is displayed**	☛ p.124
• **Images are fuzzy, out of focus, or distorted**	☛ p.125
• **Interference or distortion appear in images**	☛ p.126
• **The mouse cursor flickers (only when projecting USB Display)**	☛ p.126
• **The image is truncated (large) or small, or the aspect ratio is not suitable** Only part of the image is displayed, or the height and width ratios of the image are not correct.	☛ p.126
• **Image colors are not right** The whole image appears purplish or greenish, images are black & white, or colors appear dull.	☛ p.127
• **Images appear dark**	☛ p.128

Problems when Projection Starts

• **The projector does not turn on**	☛ p.128

Problems Relating to the Easy Interactive Function

• **Cannot the projector's built-in drawing function**	☛ p.129
• **Cannot operate as a mouse and draw by connecting to a computer**	☛ p.130
• **The message "An error occurred in the Easy Interactive Function." is displayed**	☛ p.130
• **The Easy Interactive Pen does not work**	☛ p.130
• **The reaction time for the Easy Interactive Pen is slow (only when projecting USB Display)**	☛ p.131
• **The dot does not move to the next position**	☛ p.131
• **The dot moves automatically**	☛ p.131

Other Problems

• **No sound can be heard or the sound is faint**	☛ p.132
• **No sound can be heard from the microphone**	☛ p.132
• **The remote control does not work**	☛ p.133
• **I want to change the language for messages and menus**	☛ p.133
• **Mail is not received even if an error occurs with the projector**	☛ p.134
• **Image file names are not displayed correctly in Slideshow**	☛ p.134
• **Cannot change settings using a web browser**	☛ p.134

Problems Relating to Images

No images appear

Check	Remedy
Did you press the [⏻] button?	Press the [⏻] button to turn the power on.
Are all of the indicators off?	The power cord is not connected correctly or power is not being supplied. Connect the projector's power cord correctly. ☛ "From Installation to Projection" p.39 Check the breaker and so on to ensure power is being supplied.
Is A/V Mute active?	Press the [A/V Mute] button on the remote control to cancel A/V Mute. ☛ "Hiding the Image and Sound Temporarily (A/V Mute)" p.67
Are the Configuration menu settings correct?	Reset all of the settings. ☛ **Reset** - **Reset All** p.115
Is the image to be projected completely black? (Only when projecting computer images)	Some input images, such as screen savers, may be completely black.
Is the image signal format setting correct? (Only when projecting images from a video source)	Change the setting according to the signal for the connected equipment. ☛ **Signal** - **Video Signal** p.99
Is the USB cable connected correctly? (Only when projecting USB Display)	Check that the USB cable is connected correctly. Reconnect it if it is not connected or not connected properly.
Is Windows Media Center displayed in full screen? (Only when projecting using USB Display or network connection)	When Windows Media Center is displayed at full screen, you cannot project using USB Display or network connection. Reduce the screen size.
Is an application using the Windows DirectX function displayed? (Only when projecting using USB Display or network connection)	Applications using the Windows DirectX function may not display images correctly.

Moving images are not displayed (only the moving image portion turns black)

Check	Remedy
Is the computer's image signal being output to the LCD and the monitor? (Only when projecting images from a laptop computer or a computer with a built-in LCD screen)	Change the image signal from the computer to external output only. Check your computer's documentation, or contact the computer's manufacturer.

Projection stops automatically

Check	Remedy
Is **Sleep Mode** set to **On**?	Press the [⏻] button to turn the power on. If you do not want to use Sleep Mode, change the setting to **Off**. ☛ **Extended** - **Operation** - **Sleep Mode** p.103

The message "Not supported" is displayed

Check	Remedy
Is the image signal format setting correct? (Only when projecting images from a video source)	Change the setting according to the signal for the connected equipment. ☛ **Signal** - **Video Signal** p.99
Do the image signal resolution and refresh rate correspond to the mode? (Only when projecting computer images)	See the documentation supplied with the computer for how to change the image signal resolution and refresh rate output from the computer. ☛ "Supported Monitor Displays" p.150

The message "No Signal" is displayed

Check	Remedy
Are the cables connected correctly?	Check that all the cables required for projection are securely connected. ☛ "From Installation to Projection" p.39
Is the correct port selected?	Change the image by pressing the [Source Search] button on the remote control or the control panel. ☛ "Automatically Detect Input Signals and Change the Projected Image (Source Search)" p.40

Check	Remedy
Is the power of the connected computer or video equipment turned on?	Turn the power on for the equipment.
Are the image signals being output to the projector? (Only when projecting images from a laptop computer or a computer with a built-in LCD screen)	If the image signals are only being output to the computer's LCD monitor or accessory monitor, change the output so that the image signals are also output externally. For some computer models, when the image signals are output externally, they no longer appear on the LCD monitor or accessory monitor. If the connection is made while the power of the projector or computer is already turned on, the Fn key (Function key) that changes the computer's image signal to external output may not work. Turn the projector and computer off and then back on again. ☛ "From Installation to Projection" p.39 ☛ Computer's documentation

Images are fuzzy, out of focus, or distorted

Check	Remedy
Is the focus adjusted correctly?	Move the focus lever to adjust the focus. ☛ "Correcting the Focus" p.50
Is the projector at the correct distance?	Is it projecting outside of the recommended projection distance range? Setup within the recommended range. ☛ "Screen Size and Projection Distance" p.147
Is the Keystone adjustment value too large?	Lower the projection angle to reduce the amount of Keystone correction. ☛ "Adjusting the Vertical Position of the Image (Models Supplied with the Feet Only)" p.49
Is the Aspect Ratio set correctly?	You can change the Aspect Ratio of the projected image to suit the type, the ratio of height and width, and the resolution of the input signals. ☛ "Changing the Aspect Ratio of the Projected Image" p.52
Has condensation formed on the lens?	If the projector is suddenly taken from a cold environment to a warm environment, or if sudden ambient temperature changes occur, condensation may form on the surface of the lens, and this may cause the images to appear fuzzy. Set the projector up in the room about one hour before it is used. If condensation forms on the lens, turn the projector off and wait for the condensation to disappear.

Interference or distortion appear in images

Check	Remedy
Is the image signal format setting correct? (Only when projecting images from a video source)	Change the setting according to the signal for the connected equipment. ☛ **Signal** - **Video Signal** p.99
Are the cables connected correctly?	Check that all the cables required for projection are securely connected. ☛ "Connecting Equipment" p.26
Is an extension cable being used?	If an extension cable is used, electrical interference may affect the signals. Use the cables supplied with the projector to check if the cables you are using may be causing the problem.
Is the correct resolution selected? (Only when projecting computer images)	Set the computer so that the signals being output are compatible with the projector. ☛ "Supported Monitor Displays" p.150 ☛ Computer's documentation
Are the Sync. and Tracking settings adjusted correctly? (Only when projecting computer images)	Press the [Auto] button on the remote control or the [↵] button on the control panel to perform automatic adjustment. If the images are not adjusted correctly even after performing automatic adjustment, you can also make adjustments from the Configuration menu. ☛ **Signal** - **Tracking**, **Sync.** p.99
Is **Transfer layered window** selected? (Only when projecting USB Display)	Click **All Programs** - **EPSON Projector** - **Epson USB Display** - **Epson USB Display Vx.xx Settings**, and then clear the **Transfer layered window** checkbox.

The mouse cursor flickers (only when projecting USB Display)

Check	Remedy
Is **Make the movement of the mouse pointer smooth.** selected?	Click **All Programs** - **EPSON Projector** - **Epson USB Display** - **Epson USB Display Vx.xx Settings**, and then select **Make the movement of the mouse pointer smooth.** (Windows 2000 is unavailable.) Windows Aero becomes unavailable if this is selected in Windows Vista/7.

The image is truncated (large) or small, or the aspect is not suitable

Check	Remedy
Is a wide-panel computer image being projected? (Only when projecting computer images)	Change the setting according to the signal for the connected equipment. ☛ **Signal** - **Resolution** p.99

Check	Remedy
Is the image still being enlarged by E-Zoom?	Press the [Esc] button on the remote control to cancel E-Zoom. ☛ "Enlarging Part of the Image (E-Zoom)" p.69
Is the display position adjusted correctly?	(Only when projecting analog RGB signals input from the Computer1 or Computer2 port) Press the [Auto] button on the remote control or the [↵] button on the control panel to adjust the position. You can also adjust the position from the Configuration menu. ☛ **Signal** - **Position** p.99
Is the computer set for dual display? (Only when projecting computer images)	If dual display is activated in the **Display Properties** of the computer's Control Panel, only about half of the image on the computer screen is projected. To display the entire image on the computer screen, turn off the dual display setting. ☛ Computer video driver documentation
Is the correct resolution selected? (Only when projecting computer images)	Set the computer so that the signals being output are compatible with the projector. ☛ "Supported Monitor Displays" p.150 ☛ Computer's documentation
Did you adjust the image position after performing Adjust Zoom or Keystone?	Perform Image Shift to adjust the image position after performing Adjust Zoom or Keystone. ☛ "Adjusting the Position of the Image (Image Shift)" p.48

Image colors are not right

Check	Remedy
Do the input signal settings match the signals from the connected device?	Change the following settings according to the signal for the connected equipment. • When the image is from a device connected to the Computer1 or Computer2 port. ☛ **Signal** - **Input Signal** p.99 • When the image is from a device connected to the Video or S-Video port. ☛ **Signal** - **Video Signal** p.99
Is the image Brightness adjusted correctly?	Adjust the **Brightness** setting from the Configuration menu. ☛ **Image** - **Brightness** p.98
Are the cables connected correctly?	Check that all the cables required for projection are securely connected. ☛ "Connecting Equipment" p.26
Is the contrast adjusted correctly?	Adjust the **Contrast** setting from the Configuration menu. ☛ **Image** - **Contrast** p.98

Check	Remedy
Is color adjustment set to an appropriate value?	Adjust the **Color Adjustment** setting from the Configuration menu. ☛ **Image** - **Color Adjustment** p.98
Are the color saturation and tint adjusted correctly? (Only when projecting images from a video source)	Adjust the **Color Saturation** and **Tint** settings from the Configuration menu. ☛ **Image** - **Color Saturation**, **Tint** p.98

Images appear dark

Check	Remedy
Is the image brightness set correctly?	Make **Brightness** and **Power Consumption** settings from the Configuration menu. ☛ **Image** - **Brightness** p.98 ☛ **Extended** - **Power Consumption** p.101
Is the contrast adjusted correctly?	Adjust the **Contrast** setting from the Configuration menu. ☛ **Image** - **Contrast** p.98
Is it time to replace the lamp?	When the lamp is nearly ready for replacement, the images become darker and the color quality declines. Replace the lamp with a new one. ☛ "Replacing the Lamp" p.139

Problems when Projection Starts

The projector does not turn on

Check	Remedy
Did you press the [⏻] button?	Press the [⏻] button to turn the power on.
Are all of the indicators off?	The power cord is not connected correctly or power is not being supplied. Disconnect and then reconnect the power cord. ☛ "From Installation to Projection" p.39 Check the breaker and so on to ensure power is being supplied.

Check	Remedy
Do the indicators turn on and off when the power cord is touched?	There is probably a poor contact in the power cord, or the power cord may be defective. Reinsert the power cord. If this does not solve the problem, stop using the projector, disconnect the power cord from the electrical outlet, and contact your local dealer or the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*
Is the **Control Panel Lock** set to **Full Lock**?	Press the [⏻] button on the remote control. If you do not want to use **Control Panel Lock**, change the setting to **Off**. ☛ **Settings** - **Control Panel Lock** p.101
Is the remote receiver set correctly?	Check the **Remote Receiver** from the Configuration menu. ☛ **Settings** - **Remote Receiver** p.101

Problems Relating to the Easy Interactive Function

Cannot the projector's built-in drawing function

Check	Remedy
Is **Extended** set correctly?	The projector's built-in drawing function is not available if both of the following conditions are met. • **Extended** - **USB Type B** is set to **Easy Interactive Function** or **USB Display/Easy Interactive Function** from the configuration menu. • Images are projected from the source specified in **Extended** - **Easy Interactive Function** - **Use Source** from the configuration menu. ☛ **Extended**-**Easy Interactive Function** p.103
Has pen calibration been performed correctly?	Make sure you perform pen calibration when using the Easy Interactive Pen for the first time so that the projector recognizes the position of the pen correctly. Also, calibrate the pen again if you notice any discrepancy in positioning. ☛ "Calibrating the pen" p.59

Cannot operate as a mouse and draw by connecting to a computer

Check	Remedy
Is **Extended** set correctly?	Make the following settings to link with the computer's functions. • Set **Extended** - **USB Type B** to **Easy Interactive Function** or **USB Display/Easy Interactive Function** from the configuration menu. • Set the source where the computer is connected in **Extended** - **Easy Interactive Function** - **Use Source** from the configuration menu. ☛ **Extended** - **Easy Interactive Function** p.103
The projector is not correctly connected to the computer.	Check the USB cable connections. You may be able to resolve the problem by disconnecting and then reconnecting the USB cable.
If you are using a notebook computer when the battery power is running low, the USB port may stop working and you might not be able to use USB devices.	Connect the computer to a power source.

The message "An error occurred in the Easy Interactive Function." is displayed

Check	Remedy
An error has occurred in the Easy Interactive Function.	Contact the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*

The Easy Interactive Pen does not work

Check	Remedy
There is an obstacle in the signal route between the Easy Interactive Pen and the projector.	Remove the obstacle. Also, do not block the signal route when standing in front of the projection screen.
The signal is interfering with other things such as a light source that is emitting infrared rays.	Do not use an infrared remote control or infrared microphone in the same room because the Easy Interactive Pen may malfunction. Switch off the interfering device such as a light source that is emitting infrared rays.
The battery is low.	Replace the battery.
The surrounding area is too bright.	Do not allow strong light to shine on the projected screen or the projector's Easy Interactive Function receiver.

Check	Remedy
Has pen calibration been performed correctly?	Make sure you perform pen calibration when using the Easy Interactive Pen for the first time so that the projector recognizes the position of the pen correctly. Also, calibrate the pen again if you notice any discrepancy in positioning. ☛ "Calibrating the pen" p.59

The reaction time for the Easy Interactive Pen is slow (only when projecting USB Display)

Check	Remedy
Is Windows Aero enabled?	The reaction time for the Easy Interactive Pen may be slow when Windows Aero is enabled. Click **All Programs** - **EPSON Projector** - **Epson USB Display** - **Epson USB Display Vx.xx Settings**, and then select **Disable Windows Aero and improve the tracking of the interactive pen.** (Windows 2000 is unavailable.)

The dot does not move to the next position

Check	Remedy
Information from the projection screen is not correctly received due to other things, such as a light source that is emitting infrared rays.	Move the device, such as a light source that is emitting infrared rays, away from the projector, or move the projector away from the device.
Information from the projection screen may not be received correctly if the projector is too close to the screen.	Check the position of the projector.

The dot moves automatically

Check	Remedy
The Easy Interactive Pen is disabled due to unstable conditions in the surrounding area, such as a light source that is emitting infrared rays.	Move the projector or turn off the interfering device, such as a light source that is emitting infrared rays.

Other Problems

No sound can be heard or the sound is faint

Check	Remedy
Check that the audio/video cable is securely attached to both the projector and audio source.	Disconnect the cable from the audio input port, and then reconnect the cable.
Is the projector volume set to the minimum?	Adjust the volume so that sound can be heard. ☛ **Settings** - **Volume** p.101 ☛ "Adjusting the Volume" p.50
Is the volume for the computer or from the image source set to the minimum?	Adjust the volume so that sound can be heard.
Is the Mic Input Level set at the maximum?	Lower the Mic Input Level. ☛ **Settings** - **Mic Input Level** p.101
Is A/V Mute active?	Press the [A/V Mute] button on the remote control to cancel A/V Mute. ☛ "Hiding the Image and Sound Temporarily (A/V Mute)" p.67
Is the audio cable's specification "No resistance"?	When using a commercially available audio cable, make sure it is labeled "No resistance".
Is it connected with an HDMI cable?	If no audio is output when connecting via an HDMI cable, set the connected equipment to PCM output.
Is **Output audio from the projector** selected? (Only when projecting USB Display)	Click **All Programs** - **EPSON Projector** - **Epson USB Display** - **Epson USB Display Vx.xx Settings**, and then select **Output audio from the projector**.
Is the correct audio input selected?	Check the **Audio Input** from the configuration menu. ☛ **Extended** - **Operation** - **Audio Input** p.103

No sound can be heard from the microphone

Check	Remedy
Is the microphone connected correctly?	Disconnect the cable from the Microphone (Mic) port, and then reconnect the cable. ☛ "Connecting External Equipment" p.34
Is the microphone input volume turned down too low?	Adjust the microphone input volume so that sound can be heard. ☛ **Settings** - **Mic Input Level** p.101

Check	Remedy
Are you using a plug-in power type microphone?	The projector does not support plug-in power type microphones. Use a commercially available dynamic microphone. ☛ **Settings** - **Mic Input Level** p.101

The remote control does not work

Check	Remedy
Is the remote control light-emitting area pointing towards the remote receiver on the projector during operation?	Point the remote control towards the remote receiver during operation. ☛ "Remote control operating range" p.19
Is the remote control too far from the projector?	The operating range for the remote control is about 6 m. ☛ "Remote control operating range" p.19
Is direct sunlight or strong light from fluorescent lamps shining onto the remote receiver?	Set the projector up in a location where strong light does not shine onto the remote receiver. Or set the remote receiver to **Off** from **Remote Receiver** in the Configuration menu. ☛ **Settings** - **Remote Receiver** p.101
Is the correct setting for the **Remote Receiver** selected?	Check the **Remote Receiver** from the Configuration menu. ☛ **Settings** - **Remote Receiver** p.101
Are the batteries dead or have the batteries been inserted in the wrong direction?	Insert new batteries in the correct direction. ☛ "Replacing the remote control batteries" p.18

I want to change the language for messages and menus

Check	Remedy
Change the language setting.	Adjust the Language setting from the Configuration menu. ☛ **Extended** - **Language** p.103

Mail is not received even if an error occurs with the projector

Check	Remedy
Is **Standby Mode** set to **Communication On**?	To use the Mail Notification function when the projector is in standby, set **Communication On** in **Standby Mode** from the Configuration menu. ☛ **Extended** - **Standby Setup** - **Standby Mode** p.103
Did a fatal abnormality occur and the projector come to a sudden stop?	When the projector comes to a sudden stop, email cannot be sent. If the abnormal state continues, contact your local dealer or the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*
Is power being supplied to the projector?	Check that your electrical outlet or power source is functioning correctly.
Is the Mail Notification function set correctly in the Configuration menu?	An error notification email is sent according to the **Mail** settings in the Configuration menu. Check if it is set correctly. ☛ "Mail menu" p.111

Image file names are not displayed correctly in Slideshow

Check	Remedy
Is the file name too long?	The file name can be up to 8 characters long. For file names longer than this, the middle of the name is omitted to shorten the name to 8 characters.
Are there any 2-byte characters in the file name?	Only alphanumerical characters and symbols can be used in file names. Any other characters are replaced with a question mark (?).

Cannot change settings using a web browser

Check	Remedy
Are the user ID and password correct?	Enter "EPSONWEB" as the user ID. This cannot be changed. Enter the user ID even if the password setting is disabled. Enter the password you set in Web Control Password. The default password is "admin".

Check the numbers and then apply the following countermeasures. If you cannot resolve the problem, contact your network administrator, or contact your local dealer or the nearest address provided in the Epson Projector Contact List.

☛ *Epson Projector Contact List*

Event ID	Cause	Remedy
0432 0435	Failed to startup EasyMP Network Projection.	Restart the projector.
0434 0482 0484 0485	Network communication is unstable.	Check the network communication status, and reconnect after waiting for a while.
0433	Cannot play transferred images.	Restart EasyMP Network Projection.
0481	Communication was disconnected from the computer.	
0483 04FE	EasyMP Network Projection ended unexpectedly.	Check the network communication status, and then restart the projector.
0479 04FF	A system error occurred in the projector.	Restart the projector.
0891	Cannot find an access point with the same SSID.	Set the computer, the access point, and the projector to the same SSID.
0892	The WPA/WPA2 authentication type does not match.	Check that the wireless LAN security settings are correct. ☛ **Security** p.109
0893	The WEP/TKIP/AES encryption type does not match.	
0894	Communication was disconnected because the projector connected to an unauthorized access point.	Contact your network administrator for more information.
0898	Failed to acquire DHCP.	Check that the DHCP server is operating correctly. If you are not using DHCP, turn off the DHCP setting. ☛ **Wireless LAN - IP Settings** p.108
0899	Other communication errors	If restarting the projector or EasyMP Network Projection does not solve the problem, contact your local dealer or the nearest address provided in the Epson Projector Contact List. ☛ *Epson Projector Contact List*

Maintenance

This chapter provides information on maintenance procedures to ensure the best level of performance from the projector for a long time to come.

You should clean the projector if it becomes dirty or if the quality of projected images starts to deteriorate.

Attention
Turn off the projector's power before cleaning.

Cleaning the Projector's Surface

Clean the projector's surface by wiping it gently with a soft cloth.

If the projector is particularly dirty, moisten the cloth with water containing a small amount of neutral detergent, and then firmly wring the cloth dry before using it to wipe the projector's surface.

Attention
Do not use volatile substances such as wax, alcohol, or thinner to clean the projector's surface. The quality of the case may change or become discolored.

Cleaning the Projection Window

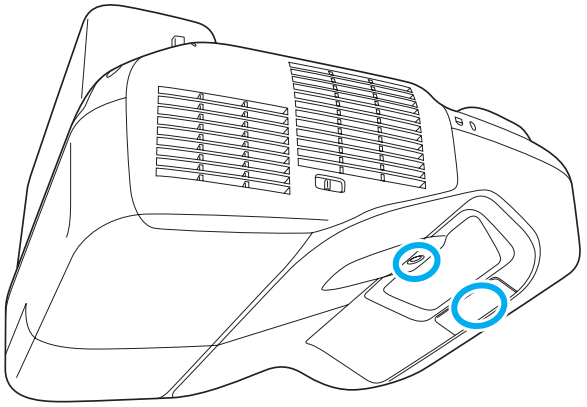
Use a commercially available cloth for cleaning glasses to gently wipe the projection window.

Warning
Do not use sprays that contain flammable gas to remove dirt and dust from the lens. The projector may catch fire because of the high temperature of the lamp inside the projector.

Attention
Do not rub the lens with harsh materials or subject the lens to shocks, as it can easily become damaged.

Cleaning the Obstacle Sensor

Clean the obstacle sensor when the message "Remove any obstacles that are interfering with the projection area." is displayed along with a warning sound. Use a commercially available cloth for cleaning glasses to gently wipe the obstacle sensor.



Warning
Do not use sprays that contain flammable gas to remove dirt and dust from the obstacle sensor. The projector may catch fire because of the high temperature of the lamp inside the projector.

Attention

Do not rub the obstacle sensor with harsh materials or subject the sensor to shocks.

Damage on the surface of the sensor may cause malfunctions.

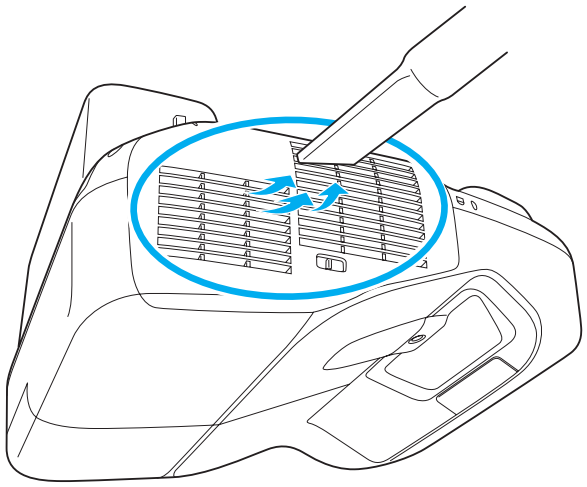
Cleaning the Air Filter

Clean the air filter and the air intake vent when the following message is displayed.

"The projector is overheating. Make sure nothing is blocking the air vent, and clean or replace the air filter."

Attention

- Dust collecting on the air filter may cause the internal temperature of the projector to rise, leading to a malfunction or early deterioration of optical parts. Clean the air filter immediately when the message is displayed.
- Do not rinse the air filter in water. Do not use detergents or solvents.



- If a message is frequently displayed, even after cleaning, it is time to replace the air filter. Replace it with a new air filter.
  ☛ "Replacing the Air Filter" p.142
- It is recommended that you clean these parts at least once every three months. Clean them more often than this if using the projector in a particularly dusty environment.

This section explains how to replace the lamp and the air filter.

Replacing the Lamp

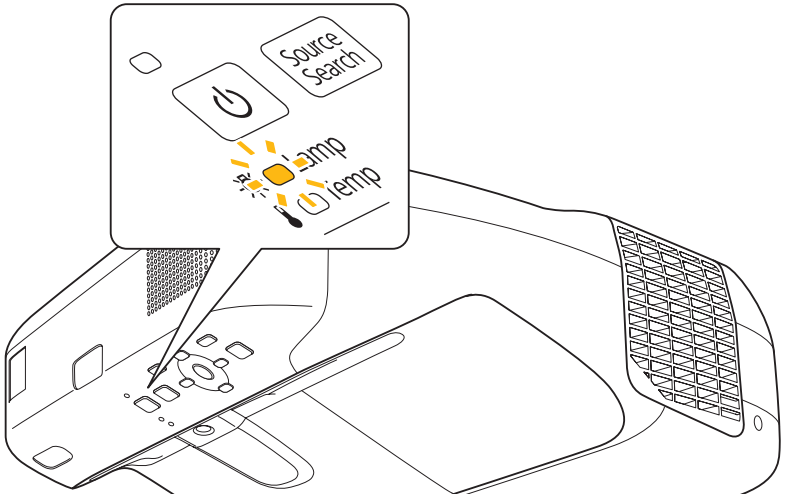
Lamp replacement period

It is time to replace the lamp when:

- The following message is displayed.
  "It is time to replace your lamp. Please contact your Epson projector reseller or visit www.epson.com to purchase."

The message is displayed for 30 seconds.

- The lamp indicator flashes orange.



- The projected image gets darker or starts to deteriorate.

Attention

- The lamp replacement message is set to appear after the following time periods in order to maintain the initial brightness and quality of the projected images.
  When **Power Consumption** is set to **Normal**: Approx. 2900 hours
  When **Power Consumption** is set to **ECO**: Approx. 3900 hours
  ☛ **Settings** - **Power Consumption** p.101
- If you continue to use the lamp after the replacement period has passed, the possibility that the lamp may blow increases. When the lamp replacement message is displayed, replace the lamp with a new one as soon as possible, even if it is still working.
- Do not repeatedly turn off the power and immediately back on. Turning the power on and off frequently may shorten the lamp's operating life.
- Depending on the individual characteristics of the lamp and the way it has been used, the lamp may become darker or stop working before the message is displayed. You should always have a spare lamp unit ready in case it is needed.

How to replace the lamp

The lamp can be replaced even when the projector is suspended from a wall or ceiling.

Warning

- When replacing the lamp because it has stopped working, there is a possibility that the lamp may be cracked. When replacing the lamp of a projector that has been installed on a wall or ceiling, assume that the lamp is cracked and stand to the side of the lamp cover, not underneath it. Also, remove the lamp cover gently.
- Never disassemble or modify a lamp. If a modified or disassembled lamp is installed in the projector and used, it could cause a fire, electric shock, or an accident.

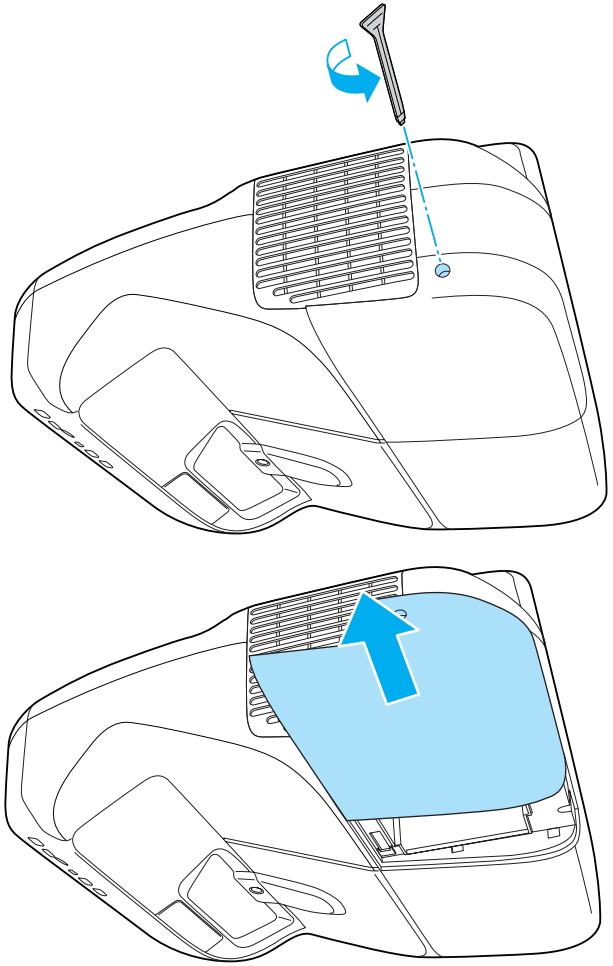
Caution

Wait until the lamp has cooled down sufficiently before removing the lamp cover. If the lamp is still hot, burns or other injuries may result. It takes approximately one hour after the power has been turned off for the lamp to sufficiently cool down.

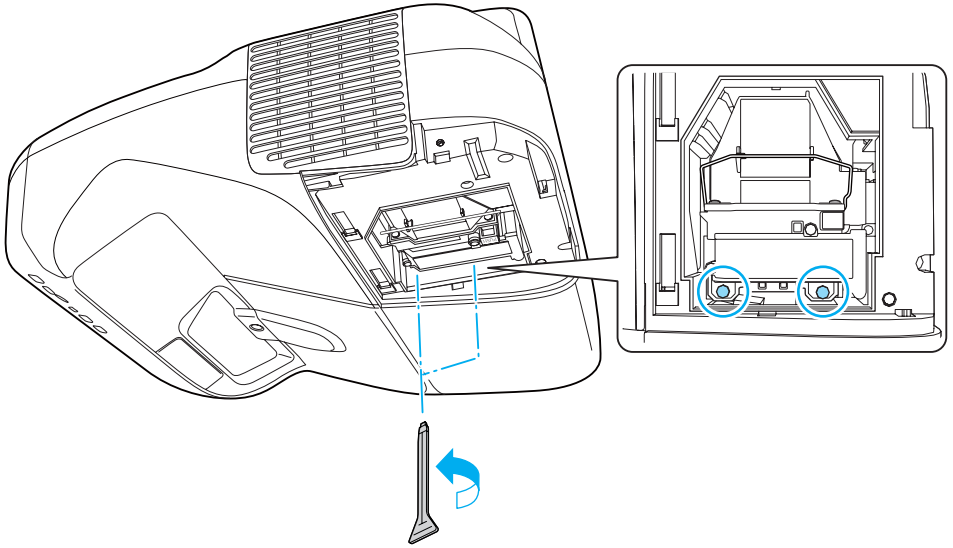
1 After you turn off the projector's power and the confirmation buzzer beeps twice, disconnect the power cord.

2 Wait until the lamp has sufficiently cooled down, and then remove the lamp cover at the top of the projector.

Loosen the lamp cover fixing screw with the screwdriver supplied with the new lamp unit or a cross-head screwdriver. Then slide the lamp cover straight forward and lift to remove it.



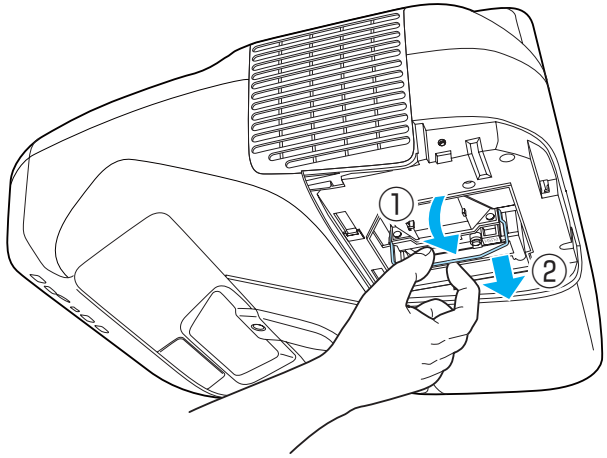
3 Loosen the two lamp fixing screws.



4 Remove the old lamp by pulling the handle.

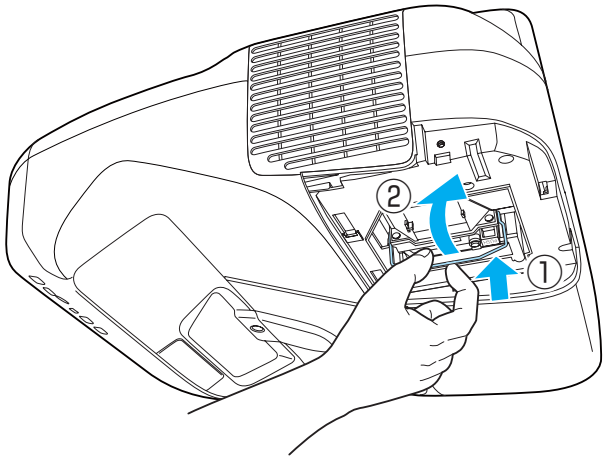
If the lamp is cracked, replace it with a new lamp, or contact your local dealer for further advice.

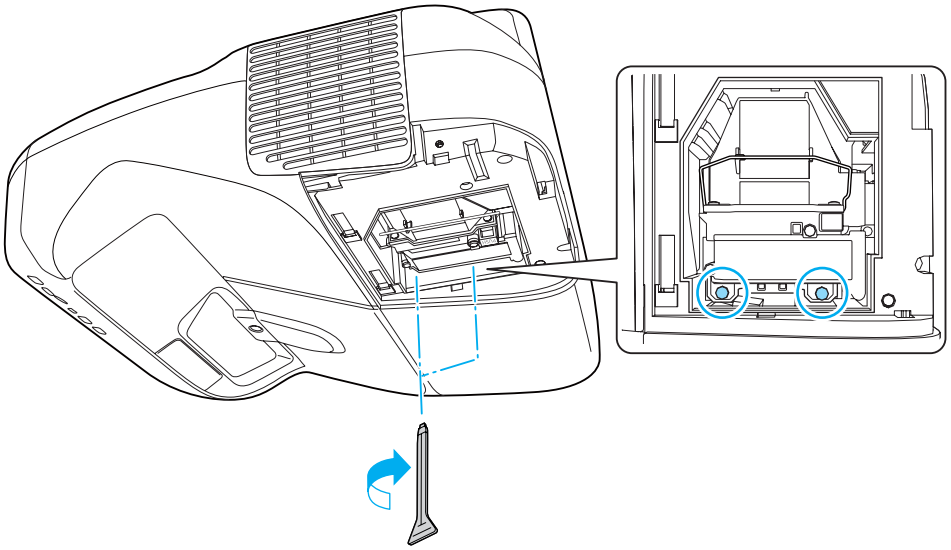
☛ *Epson Projector Contact List*



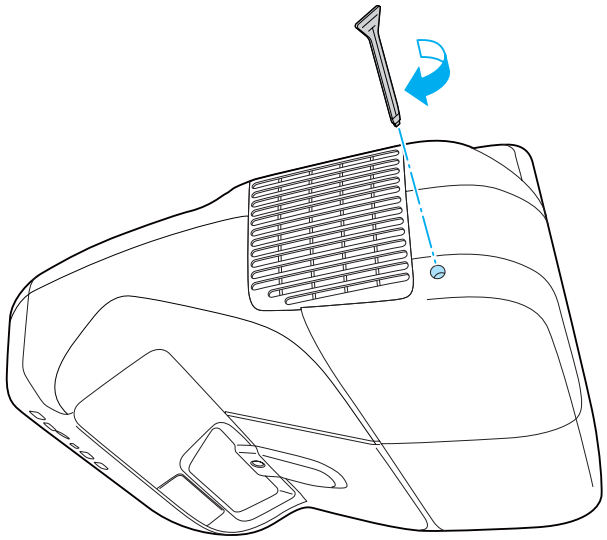
5 Install the new lamp.

Insert the new lamp along the guide rail in the correct direction so that it fits in place, push in firmly, and then press the handle down. Tighten the two lamp fixing screws.





6 Attach the lamp cover.



Attention

- Make sure you install the lamp securely. If the lamp cover is removed, the power turns off automatically as a safety precaution. If the lamp or the lamp cover is not installed correctly, the power does not turn on.
- This product includes a lamp component that contains mercury (Hg). Please consult your local regulations regarding disposal or recycling. Do not dispose of it with normal waste.

Resetting the lamp hours

The projector records how long the lamp is on and a message and indicator notify you when it is time to replace the lamp. After replacing the lamp, make sure you reset the lamp hours from the Configuration menu.

☛ "Reset Menu" p.115

Only reset the lamp hours after the lamp has been replaced. Otherwise, the lamp replacement period will not be indicated correctly.

Replacing the Air Filter

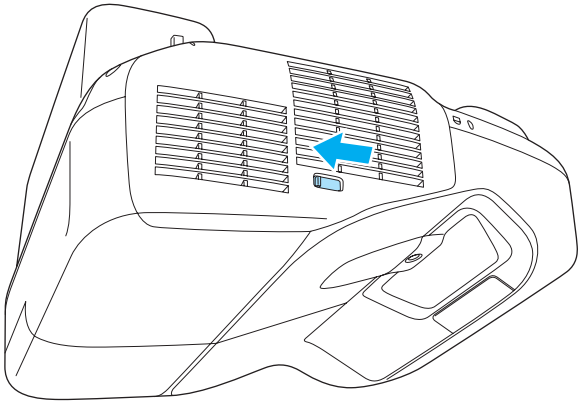
Air filter replacement period

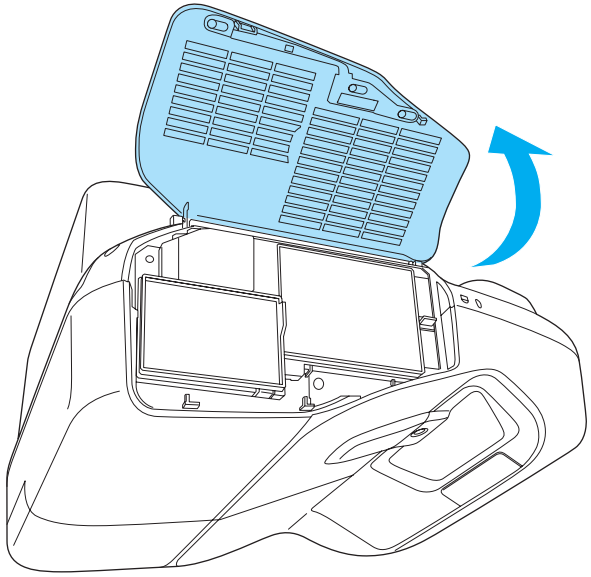
If the message is displayed frequently even though the air filter has been cleaned, replace the air filter.

How to replace the air filter

The air filter can be replaced even when the projector is suspended from a wall or ceiling.

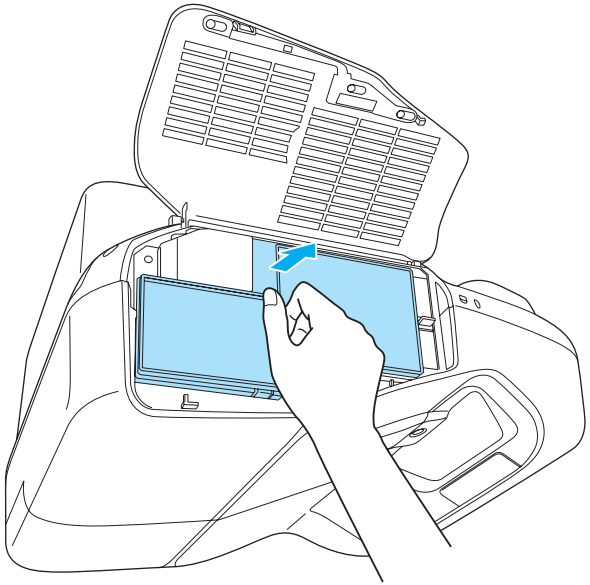
1. After you turn off the projector's power and the confirmation buzzer beeps twice, disconnect the power cord.
2. Open the air filter cover.
   Press the tabs on the air filter cover and open the cover.



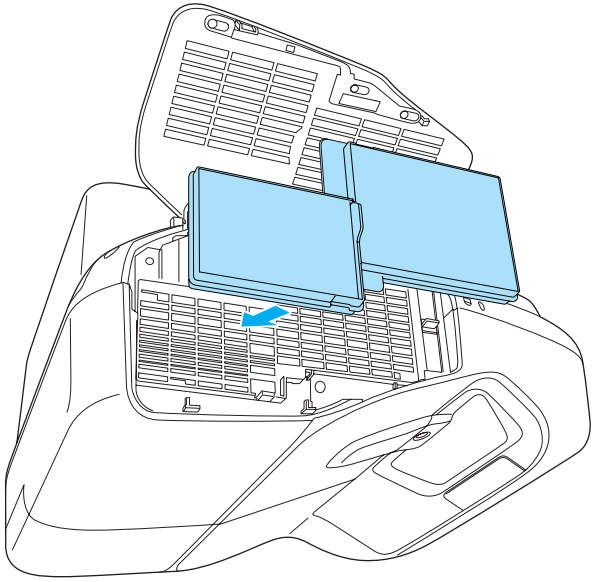


3 Remove the air filter.

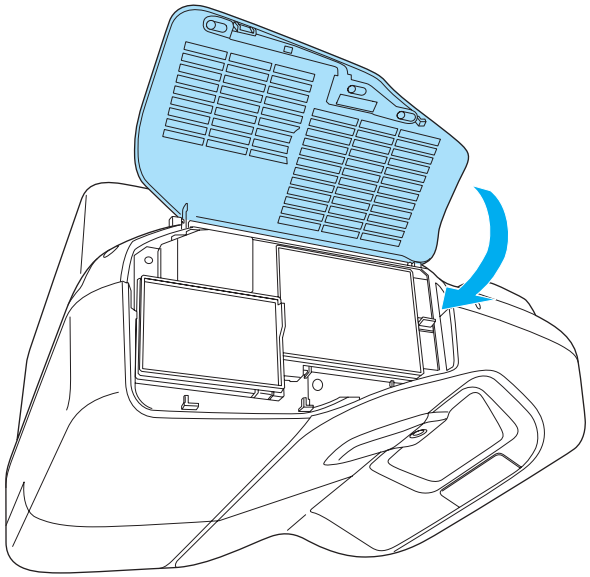
Grip the tab in the center of the air filter, and pull the air filter straight out.

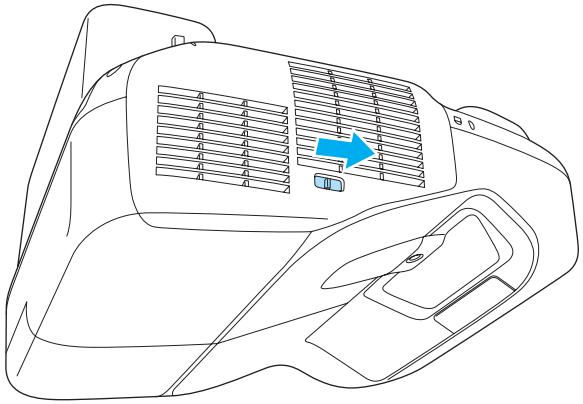


4 Install the new air filter.



5 Close the air filter cover.





Dispose of used air filters properly in accordance with your local regulations.
Material of the frame part: Polypropylene
Material of the filter part: Polypropylene

Appendix

The following optional accessories and consumables are available. Please purchase these products as and when needed. The following list of optional accessories and consumables is current as of: November 2011. Details of accessories are subject to change without notice.

Optional Accessories

Document Camera ELPDC06/ELPDC11
Use when projecting images such as books, OHP documents, or slides.

Computer cable ELPKC02
(1.8 m - for mini D-Sub15-pin/mini D-Sub 15pin)
Computer cable ELPKC09
(3 m - for mini D-Sub15-pin/mini D-Sub 15pin)
Computer cable ELPKC10
(20 m - for mini D-Sub15-pin/mini D-Sub 15pin)

D port cable ELPKC22
(Mini D-Sub 15-pin/3 m for D port)
Use when connecting to the D port on an image source.

Component video cable ELPKC19
(3 m - for mini D-Sub 15-pin/RCA male×3)
Use to connect a Component Video source.

Wireless LAN unit ELPAP07
Use when connecting the projector to a computer wirelessly and projecting.

Quick Wireless Connection USB Key ELPAP08
Use when you want to quickly establish one-to-one connection between the projector and a computer with Windows installed.

Ceiling mount* ELPMB23
Use when installing the projector on a ceiling.

Easy Interactive Pen ELPPN03A/ELPPN03B
(EB-485Wi/EB-480i/EB-475Wi only)
Pens for the Easy Interactive Function. You cannot use Easy Interactive Pens with the same model number at the same time.

Replacement Pen Tips ELPPS01 (EB-485Wi/EB-480i/EB-475Wi only)
Replacement pen tips for the Easy Interactive Pen.

Interface box ELPCB01

* Special expertise is required to suspend the projector. Contact your local dealer or the nearest address provided in the Epson Projector Contact List.

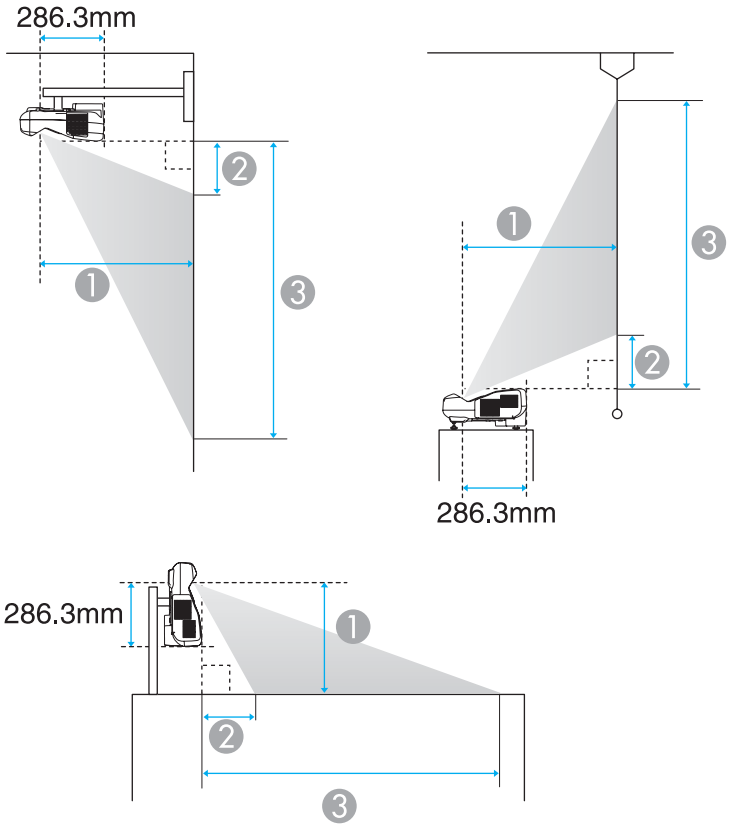
☛ *Epson Projector Contact List*

Consumables

Lamp unit ELPLP71
Use as a replacement for a used lamp.

Air Filter ELPAF40
Use as a replacement for a used air filter.

Projection Distance (For EB-485Wi/EB-485W/ EB-475Wi/EB-475W)



❶ Projection distance

❷ The distance between the projector and the top of the screen (when mounting on a wall or ceiling, or installing vertically)
The distance between the projector and the bottom of the screen (when placing on a surface such as a desk)

❸ The distance between the projector and the bottom of the screen (when mounting on a wall or ceiling, or installing vertically)
The distance between the projector and the top of the screen (when placing on a surface such as a desk)

Unit: cm

16:10 Screen Size		❶ Minimum (Wide) to Maximum (Tele)	❷ Minimum (Wide)	❸ Minimum (Wide)
60"	129x81	35 - 48	10	91
70"	151x94	41 - 56	13	107
80"	172x108	47 - 60	15	123
90"	194x121	53 - 60	18	139
100"	215x135	60*	21	156

* Project using Wide (maximum zoom).

Unit: cm

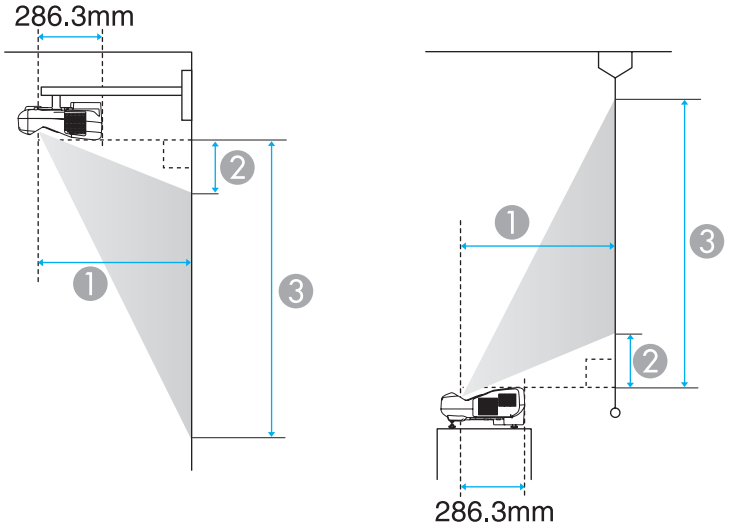
4:3 Screen Size		❶ Minimum (Wide) to Maximum (Tele)	❷ Minimum (Wide)	❸ Minimum (Wide)
53"	108x81	35 - 48	10	91
60"	122x91	40 - 55	12	104
70"	142x107	47 - 60	15	122
80"	163x122	54 - 60	18	140
88"	179x134	59 - 60	21	155

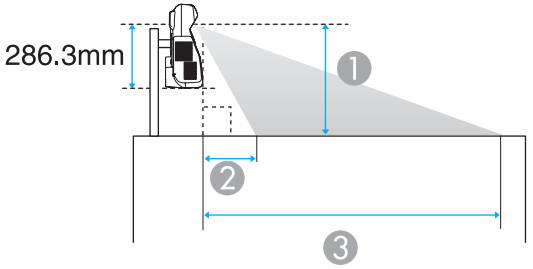
Unit: cm

16:9 Screen Size		① Minimum (Wide) to Maximum (Tele)	② Minimum (Wide)	③ Minimum (Wide)
59"	131x74	35 - 48	14	88
60"	133x75	36 - 49	14	89
70"	155x87	42 - 58	18	105
80"	177x100	49 - 60	22	121
90"	199x112	55 - 60	25	137
97"	215x121	60*	28	149

* Project using Wide (maximum zoom).

Projection Distance (For EB-480i/EB-480/EB-470)





① Projection distance

② The distance between the projector and the top of the screen (when mounting on a wall or ceiling, or installing vertically)
The distance between the projector and the bottom of the screen (when placing on a surface such as a desk)

③ The distance between the projector and the bottom of the screen (when mounting on a wall or ceiling, or installing vertically)
The distance between the projector and the top of the screen (when placing on a surface such as a desk)

Unit: cm

4:3 Screen Size		① Minimum (Wide) to Maximum (Tele)	② Minimum (Wide)	③ Minimum (Wide)
56"	114x85	35 - 48	8	93
60"	122x91	38 - 52	9	100
70"	142x107	44 - 60	11	118
80"	163x122	51 - 60	14	136
90"	183x137	58 - 60	16	154
93"	189x142	60*	17	159

* Project using Wide (maximum zoom).

Unit: cm

16:9 Screen Size		❶ Minimum (Wide) to Maximum (Tele)	❷ Minimum (Wide)	❸ Minimum (Wide)
52"	115x65	35 - 49	19	83
60"	133x75	41 - 56	23	97
70"	155x87	48 - 60	27	115
80"	177x100	56 - 60	32	132
85"	188x106	59 - 60	35	141

Supported Resolutions

Computer signals (analog RGB)

Signal	Refresh Rate (Hz)	Resolution (dots)
VGA	60/72/75/85	640x480
SVGA	56/60/72/75/85	800x600
XGA	60/70/75/85	1024x768
WXGA	60	1280x768
	60	1366x768
	60/75/85	1280x800
WXGA+	60/75/85	1440x900
WXGA++	60	1600x900
SXGA	70/75/85	1152x864
	60/75/85	1280x1024
	60/75/85	1280x960
SXGA+	60/75	1400x1050
WSXGA+*1, 2	60	1680x1050
MAC13”	67	640x480
MAC16”	75	832x624
MAC19”	75	1024x768
	59	1024x768
MAC21”	75	1152x870

*1 EB-485Wi/EB-485W/EB-475Wi/EB-475W only

*2 Only compatible when **Wide** is selected as the **Resolution** from the Configuration menu.

Images may also be projected when signals other than the above are input. However, some functions may be limited.

Component Video

Signal	Refresh Rate (Hz)	Resolution (dots)
SDTV (480i)	60	720x480
SDTV (576i)	50	720x576
SDTV (480p)	60	720x480
SDTV (576p)	50	720x576
HDTV (720p)	50/60	1280x720
HDTV (1080i)	50/60	1920x1080

Composite video

Signal	Refresh Rate (Hz)	Resolution (dots)
TV (NTSC)	60	720x480
TV (SECAM)	50	720x576
TV (PAL)	50/60	720x576

Input signal from the HDMI port

Signal	Refresh Rate (Hz)	Resolution (dots)
VGA	60	640x480
SVGA	60	800x600
XGA	60	1024x768
WXGA	60	1280x800
	60	1366x768
WXGA+	60	1440x900
WXGA++	60	1600x900
WSXGA+*1, 2	60	1680x1050

Signal	Refresh Rate (Hz)	Resolution (dots)
SXGA	60	1280x960
	60	1280x1024
SXGA+	60	1400x1050
SDTV (480i/480p)	60	720x480
SDTV (576i/576p)	50	720x576
HDTV (720p)	50/60	1280x720
HDTV (1080i)	50/60	1920x1080
HDTV (1080p)	24/30/50/60	1920x1080

*1 EB-485Wi/EB-485W/EB-475Wi/EB-475W only

*2 Only compatible when **Wide** is selected as the **Resolution** from the Configuration menu.

Projector General Specifications

Product name		EB-485Wi	EB-485W	EB-480i	EB-480
Dimensions		367 (W) x 143 (H) x 375 (D) mm (not including raised section)			
LCD panel size		0.59" Wide		0.55"	
Display method		Polysilicon TFT active matrix			
Resolution		1,024,000 WXGA (1280 (W)x 800 (H) dots)x 3		786,432 XGA (1024 (W) x 768 (H) dots)x 3	
Focus adjustment		Manual			
Zoom adjustment		Digital (1-1.35)			
Lamp		UHE lamp, 215 W Model No.: ELPLP71			
Max. audio output		16 W			
Speaker		1			
Power supply		100-240V AC±10% 50/60Hz 3.1-1.5A			
Power consumption	100 to 120 V area	Operating: 313 W Standby power consumption (Communication On): 7.5 W Standby power consumption (Communication Off): 0.21 W	Operating: 313 W Standby power consumption (Communication On): 7.5 W Standby power consumption (Communication Off): 0.21 W	Operating: 313 W Standby power consumption (Communication On): 7.5 W Standby power consumption (Communication Off): 0.21 W	Operating: 313 W Standby power consumption (Communication On): 7.5 W Standby power consumption (Communication Off): 0.21 W
	220 to 240 V area	Operating: 300 W Standby power consumption (Communication On): 8.3 W Standby power consumption (Communication Off): 0.27 W	Operating: 300 W Standby power consumption (Communication On): 8.3 W Standby power consumption (Communication Off): 0.27 W	Operating: 300 W Standby power consumption (Communication On): 8.3 W Standby power consumption (Communication Off): 0.27 W	Operating: 300 W Standby power consumption (Communication On): 8.3 W Standby power consumption (Communication Off): 0.27 W
Operating altitude		Altitude 0 to 2,286 m			
Operating temperature		5 to +35°C (No condensation)			
Storage temperature		-10 to +60°C (No condensation)			
Mass		Approx. 5.3 kg	Approx. 5.2 kg	Approx. 5.3 kg	Approx. 5.2 kg

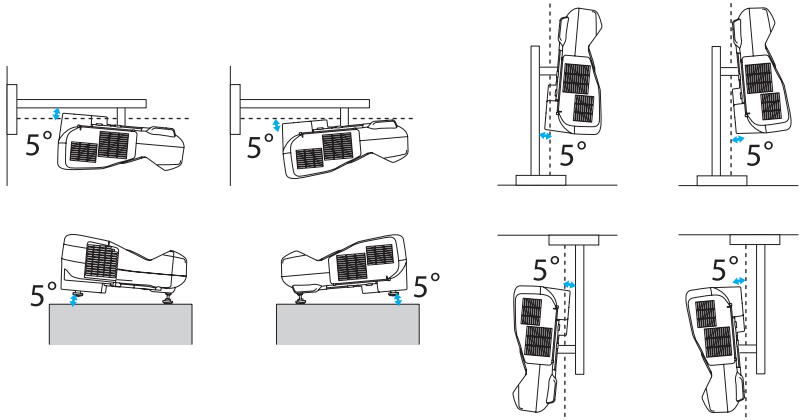
Product name		EB-475Wi	EB-475W	EB-470
Dimensions		367 (W) x 143 (H) x 375 (D) mm (not including raised section)		
LCD panel size		0.59" Wide		0.55"
Display method		Polysilicon TFT active matrix		
Resolution		1,024,000 WXGA (1280 (W) x 800 (H) dots)x 3		786,432 XGA (1024 (W) x 768 (H) dots)x 3
Focus adjustment		Manual		
Zoom adjustment		Digital (1-1.35)		
Lamp		UHE lamp, 190 W Model No.: ELPLP71		
Max. audio output		16 W		
Speaker		1		
Power supply		100-240V AC±10% 50/60Hz 2.9-1.3A		
Power consumption	100 to 120 V area	Operating: 287 W Standby power consumption (Communication On): 7.5 W Standby power consumption (Communication Off): 0.21 W	Operating: 287 W Standby power consumption (Communication On): 7.5 W Standby power consumption (Communication Off): 0.21 W	Operating: 287 W Standby power consumption (Communication On): 7.5 W Standby power consumption (Communication Off): 0.21 W
	220 to 240 V area	Operating: 275 W Standby power consumption (Communication On): 8.3 W Standby power consumption (Communication Off): 0.27 W	Operating: 275 W Standby power consumption (Communication On): 8.3 W Standby power consumption (Communication Off): 0.27 W	Operating: 275 W Standby power consumption (Communication On): 8.3 W Standby power consumption (Communication Off): 0.27 W
Operating altitude		Altitude 0 to 2,286 m		
Operating temperature		5 to +35°C (No condensation)		
Storage temperature		-10 to +60°C (No condensation)		
Mass		Approx. 5.3 kg	Approx. 5.2 kg	

Connectors	Computer1 port	1	Mini D-Sub15-pin (female)
	Computer2 port	1	Mini D-Sub15-pin (female)
	Video port	1	RCA pin jack
	S-Video port	1	Mini DIN 4-pin
	Audio1 port	1	Stereo mini pin jack
	Audio2 port	1	Stereo mini pin jack
	Audio-L/R port	1	RCA pin jack x 2 (L-R)
	Mic port	1	Stereo mini pin jack
	Audio Out port	1	Stereo mini pin jack
	Monitor Out port	1	Mini D-Sub15-pin (female)
	HDMI port	1	HDMI (Audio is only supported by PCM)
	USB-A port*	1	USB connector (Type A)
	USB-B port*	1	USB connector (Type B)
	USB port (for Wireless LAN unit)	1	USB connector (Type A)
	LAN port	1	RJ-45
	RS-232C port	1	Mini D-Sub 9-pin (male)

* Supports USB 2.0. However, the operation of all USB compatible devices is not guaranteed.

This product is also designed for IT power distribution system with phase-to-phase voltage 230V.

Angle of tilt



If you use the projector tilted at an angle of more than 5° it could be damaged and cause an accident.

DECLARATION of CONFORMITY
According to 47CFR, Part 2 and 15
Class B Personal Computers and Peripherals; and/or
CPU Boards and Power Supplies used with Class B Personal Computers

We:	Epson America, Inc.
Located at:	3840 Kilroy Airport Way
	MS: 3-13
	Long Beach, CA 90806
Tel:	562-290-5254

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR 2.909. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name:	EPSON
Type of Product:	Projector
Model:	H452C/H453C/H454C/H455C/H456C/H485C/ H486C

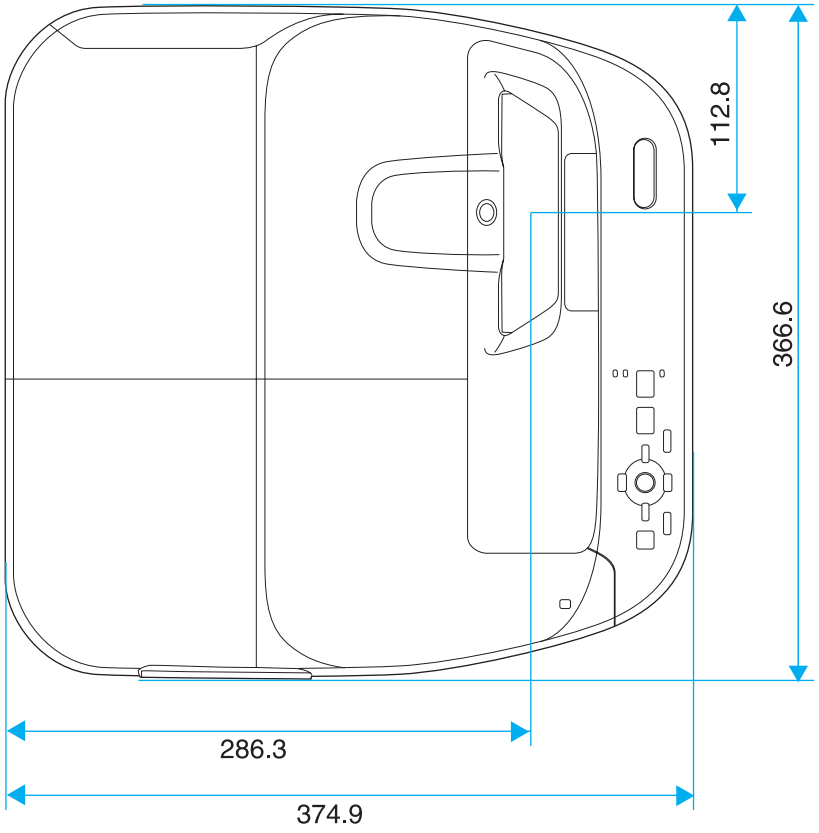
FCC Compliance Statement
For United States Users

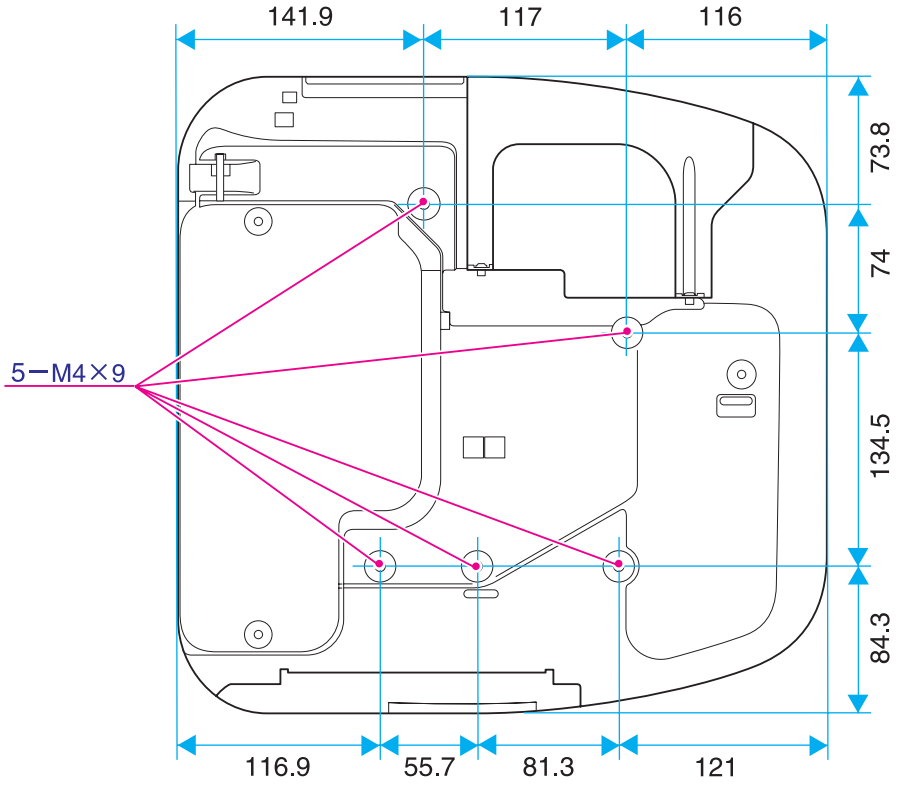
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

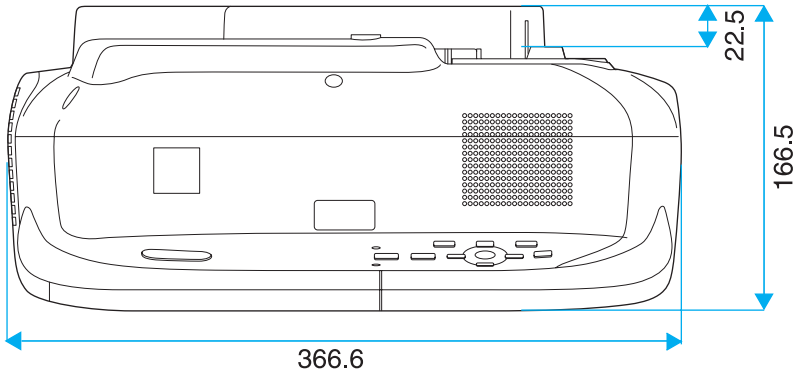
The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification or Declaration of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.


112.8
366.6
286.3
374.9

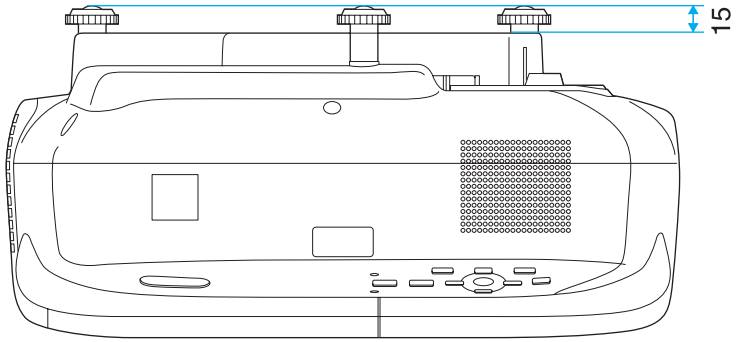

141.9
117
116
73.8
74
134.5
84.3
5−M4×9
116.9
55.7
81.3
121

Units: mm

Without feet



With feet



Units: mm

This section briefly explains the difficult terms that are not explained in the text of this guide. For details, refer to other commercially available publications.

AMX Device Discovery	AMX Device Discovery is a technology developed by AMX to facilitate AMX control systems for easy operation of the target equipment. Epson have implemented this protocol technology, and have provided a setting to enable the protocol function (ON). See the AMX Web site for more details. URL http://www.amx.com/
Aspect Ratio	The ratio between an image's length and its height. Screens with a horizontal:vertical ratio of 16:9, such as HDTV screens, are known as wide screens. SDTV and general computer displays have an aspect ratio of 4:3.
Component Video	A method that separates the video signal into a luminance component (Y), and a blue minus luminance (Cb or Pb) and a red minus luminance (Cr or Pr).
Composite video	A method that combines the video signal into a luminance component and a color component for transmission down a single cable.
Contrast	The relative brightness of the light and dark areas of an image can be increased or decreased to make text and graphics stand out more clearly, or to make them appear softer. Adjusting this particular property of an image is called "contrast adjustment".
DHCP	An abbreviation of Dynamic Host Configuration Protocol, this protocol automatically assigns an IP address to equipment connected to a network.
Gateway Address	This is a server (router) for communicating across a network (subnet) divided according to subnet mask.
HDCP	HDCP is an abbreviation for High-bandwidth Digital Content Protection. It is used to prevent illegal copying and protect copyrights by encrypting digital signals sent over DVI and HDMI ports. Because the HDMI port on this projector supports HDCP, it can project digital images protected by HDCP technology. However, the projector may not be able to project images protected with updated or revised versions of HDCP encryption.
HDTV	An abbreviation for High-Definition Television that refers to high-definition systems which satisfy the following conditions. • Vertical resolution of 720p or 1080i or greater (p = Progressive, i = Interlace) • Screen aspect ratio of 16:9
Interlace	Transmits information needed to create one screen by sending every other line, starting from the top of the image and working down to the bottom. Images are more likely to flicker because one frame is displayed every other line.
IP Address	A number to identify a computer connected to a network.
Progressive	Projects information to create one screen at a time, displaying the image for one frame. Even though the number of scan lines is the same, the amount of flicker in images decreases because the volume of information has doubled compared with an interlace system.
Refresh Rate	The light-emitting element of a display maintains the same luminosity and color for an extremely short time. Because of this, the image must be scanned many times per second to refresh the light-emitting element. The number of refresh operations per second is called the Refresh rate and is expressed in hertz (Hz).
SDTV	An abbreviation for Standard Definition Television that refers to standard television systems which do not satisfy the conditions for HDTV High-Definition Television.

SNMP	An abbreviation for Simple Network Management Protocol, which is the protocol for monitoring and controlling devices such as routers and computers connected to a TCP/IP network.
sRGB	An international standard for color intervals that was formulated so that colors that are reproduced by video equipment can be handled easily by computer operating systems (OS) and the Internet. If the connected source has an sRGB mode, set both the projector and the connected signal source to sRGB.
SSID	SSID is identification data for connecting to another device on a wireless LAN. Wireless communication is possible between devices with the same SSID.
Subnet Mask	This is a numerical value that defines the number of bits used for the network address on a divided network (subnet) from the IP address.
SVGA	A screen size standard with a resolution of 800 (horizontal) x 600 (vertical) dots.
S-Video	A method that separates the video signal into a luminance component (Y) and a color component (C).
SXGA	A screen size standard with a resolution of 1,280 (horizontal) x 1,024 (vertical) dots.
Sync.	The signals output from computers have a specific frequency. If the projector frequency does not match this frequency, the resulting images are not of a good quality. The process of matching the phases of these signals (the relative position of the crests and the troughs in the signal) is called Synchronization. If the signals are not synchronized, flickering, blurriness, and horizontal interference occur.
Tracking	The signals output from computers have a specific frequency. If the projector frequency does not match this frequency, the resulting images are not of a good quality. The process of matching the frequency of these signals (the number of crests in the signal) is called Tracking. If tracking is not carried out correctly, wide vertical stripes appear in the signal.
Trap IP Address	This is the IP address for the destination computer used for error notification in SNMP.
VGA	A screen size standard with a resolution of 640 (horizontal) x 480 (vertical) dots.
XGA	A screen size standard with a resolution of 1,024 (horizontal) x 768 (vertical) dots.

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Illustrations in this guide and the actual projector may differ.

Restriction of Use

When this product is used for applications requiring high reliability/safety such as transportation devices related to aviation, rail, marine, automotive etc.; disaster prevention devices; various safety devices etc; or functional/precision devices etc, you should use this product only after giving consideration to including fail-safes and redundancies into your design to maintain safety and total system reliability. Because this product was not intended for use in applications requiring extremely high reliability/safety such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care etc, please make your own judgment on this product's suitability after a full evaluation.

Wireless Telegraphy Act Regulations

The following acts are prohibited by the Wireless Telegraphy Act.

- Modifying and disassembling (including the antenna)
- Removing the label of conformance

About Notations

Microsoft® Windows® 98 operating system
Microsoft® Windows® Me operating system
Microsoft® Windows® 2000 operating system
Microsoft® Windows® XP operating system
Microsoft® Windows Vista® operating system
Microsoft® Windows® 7 operating system

In this guide, the operating systems above are referred to as "Windows 98", "Windows Me", "Windows 2000", "Windows XP", "Windows Vista", and "Windows 7". Furthermore, the collective term Windows may be used to refer to Windows 98, Windows Me, Windows 2000, Windows XP, Windows Vista, and Windows 7, and multiple versions of Windows may be referred to as, for example, Windows 98/Me/2000/XP/Vista/7, with the Windows notation omitted.

Mac OS X 10.3.x
Mac OS X 10.4.x
Mac OS X 10.5.x
Mac OS X 10.6.x
Mac OS X 10.7.x

In this guide, the operating systems above are referred to as "Mac OS X 10.3.x", "Mac OS X 10.4.x", "Mac OS X 10.5.x", "Mac OS X 10.6.x", and "Mac OS X 10.7.x". Furthermore, the collective term "Mac OS X" is used to refer to them all.

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